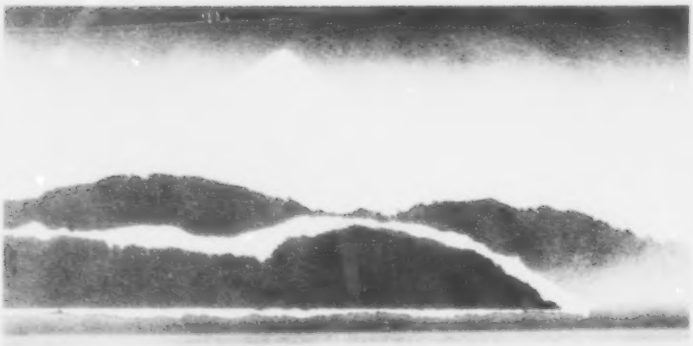
METAL CONCENTRATIONS IN BOTTOM SEDIMENTS FROM UNCONTAMINATED B.C. LAKES



BC Environment
Water Management Division

MINISTRY OF ENVIRONMENT, LANDS AND PARKS

PROVINCE OF BRITISH COLUMBIA

METAL CONCENTRATIONS IN BOTTOM SEDIMENTS FROM UNCONTAMINATED B.C. LAKES

K. RIEBERGER

WATER QUALITY BRANCH

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ABSTRACT

Metal concentrations and other varaiables were measured in the bottom sediments of 390 British Columbia lakes considered to be relatively unaffected by human pollution. The variables tested for were Al, As, B, Ba, Be, C (organic and inorganic), Ca, Cd, Co, Cr, Cu, Fe, Hg, Mg, Mn, Mo, N (Kjeldahl), Ni, P, Pb, S, Se, Sn, Sr, Ti, V, Zn, and volatiles. Mean concentrations were calculated by tectonic region, tectonic sub-region, and individual lake. Variables were also compared in regression analyses as a function of lake water and sediment pH, organic C, S, Fe, and Mn sediment concentration, lake surface area, mean depth, volume, and altitude, sample depth, watershed size, and runoff. Northern sub-regions showed higher values for mean concentrations for more variables (22) than southern sub-regions (5) or central sub-regions (2). Aluminum, Ca, Mg, and Pb showed evidence of significant relationships with eight of the 13 independent variables tested while Be showed no evidence of a relationship with any of the independent variables. Iron was the independent variable appearing to have the most influence on sediment variables. Carbon, N, and S levels, and volatiles showed relationships with lake size (area, mean depth, volume), pH (sediment, lake), sample depth, watershed size, runoff, and organic C but not with sediment Fe, sediment Mn, or sediment S concentrations. Sediment organic C, sediment total C, and sediment N levels showed evidence of decreasing trends with increasing lake size. Volatiles showed evidence of strong, positive relationships with sediment organic C in all sub-regions.

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1.0 INTRODUCTION

Bottom sediments have been described as the ultimate sink for pollutants, metals, and organic material in aquatic systems (Salomons *et al.*, 1987; Chapman *et al.*, 1978; Ballinger and McKee, 1971). It is important to monitor changes in sediment composition because the contaminants within the sediments can act as a source of pollutants long after the original source of pollutants has been abated (Salomons *et al.*, 1987). Once metals and nutrients have settled into the sediments they can again become biologically available as a result of physical, chemical, or biological processes in natural situations (Stokes and Szokalo, 1977). Changes in overlying water pH and complexing agents may result in the mobilization of accumulated pollutants (Salomons *et al.*, 1987), making them available to the water column, plants, benthic invertebrates, and bottom feeding fish (Patrick and Loutit, 1978; Florence and Batley, 1977; Welsh and Denny, 1976). The levels of heavy metals in sediments are often higher than those of the overlying water (Demayo *et al.*, 1978) and lake sediments often reflect recent additions of such metals before elevations are detectable in the water column (Stokes and Szokalo, 1977).

Phillips (1977) described two advantages of monitoring heavy metal concentrations in sediments rather than in the water column. First, because metal concentrations tend to be higher in sediments than in water, sediments are easier to analyze with more precision and accuracy, and alteration of results due to sample contamination is

less likely. Second, sediments may integrate environmental fluctuations of heavy metal levels allowing for more consistent results. In unpolluted watersheds the major factors which affect the composition of transported sediments are erosion and the composition of the underlying source rock (Self, 1975). The biological availability of sediment-bound metals depends on variables such as the chemical form of the metal and the chemical composition, crystallinity, surface area, coating, and mineralogy of the sediment (Demayo *et al.*, 1978).

The history of the additions of pollutants can be determined by using core samplers to obtain a sediment profile which can then be analyzed. Sediments can be aged using ^{14}C, ^{210}Pb, and ^{137}Cs techniques (Wetzel, 1983) and metal levels in pre-industrial sediments can be compared to recent sediments to determine human influences. Sediments can also be compared to baseline data collected from lakes unaffected by human pollution to determine changes to the lake.

This report summarizes sediment data collected from 369 lakes throughout British Columbia which are recognized as being relatively unaffected by man. The purpose is to provide baseline data for comparison with other lakes of similar geological background as well as to monitor changes to the sampled lakes themselves. The lakes are categorized on the basis of tectonic region and each region is arbitrarily divided into sub-regions, based on latitude and sample sizes.

2.0 BEDROCK GEOLOGY

British Columbia can be divided into six physiographic units based on tectonic processes and geological evolution (Farley, 1979). Because bedrock geology is a significant factor in determining the composition of lake sediments, tectonic regions were used to divide the province into specific regions for data analysis. These regions are illustrated in Figure 1.

The Insular Belt (IB) was divided into northern and southern sub-regions with the northern sub-region consisting of the Queen Charlotte Islands and the southern sub-region consisting of Vancouver Island. The Insular Belt is mainly composed of heavily faulted, unmetamorphosed volcanic and sedimentary rocks. Metallic minerals present include Cu and Fe ore (Farley, 1979).

The Cascade Mountains tectonic region (CM) was divided into northern and southern sub-regions which were separated at 54° latitude. This region is composed of a complex sequence of batholithic intrusions which consist of granitic rocks and crystalline gneisses. The contact zones between intrusive rocks and other formations are associated with the presence of metal ores (Farley, 1979).

The Interior Plateau tectonic region (IP) was divided into three sub-regions; the northern Interior Plateau which is north from 56°

latitude, the central Interior Plateau, from 52° latitude to 56° latitude, and the southern Interior Plateau which was south from 52° latitude. This region consists mainly of unmetamorphosed sedimentary and volcanic rock. The Interior Plateau has many Cu and Mo deposits as well as several areas of ferromagnesian intrusive rocks which are generally associated with chromite and Ni (Farley, 1979).

The Omineca Belt (OB) was also divided into three sub-regions using the same boundaries as described for the Interior Plateau. This region consists of very old sedimentary rocks, younger intrusives and large areas of metamorphic rocks. The Omineca Belt has been important as a source of Cu, Pb, Ag, and Zn (Farley, 1979).

The Rocky Mountain tectonic region (RM) was divided at 54° of latitude into northern and southern sub-regions. It consists of old rocks which are mostly sedimentary carbonate with high coal concentrations in the southern half (Farley, 1979).

The Alberta Plateau tectonic region (AP) was the only region not subdivided, because of the relatively small area it covered and its northern location. It is almost exclusively sandstone and shales which are associated with petroleum deposits (Farley, 1979).

Figure 1: Tectonic regions of British Columbia (adapted from Farley, 1979).

3.0 METHODS

3.1 Sediment Collection

Sediment samples were collected from 390 lakes by Ministry of Environment fisheries staff between 1982 and 1987 as part of their lake survey work and compilation of baseline data. These data included sediment chemistry, water chemistry (Swain, 1987), bathymetric data (Balkwill, 1991), and fish muscle and liver analyses (Rieberger, 1992). Figure 2 illustrates the locations of the lakes sampled. The majority of lakes were sampled once (96%); however, 15 lakes were sampled twice and data from Wood Lake, in the southern Interior Plateau sub-region (mapsheet no. 82 L03), included a total of 17 replicates. Samples were taken from the deepest part of each lake. An Ekman dredge was used to sample from the top 5-10 cm of bottom sediments which were then placed in polyethylene cups and stored until transport to the laboratory.

It should be noted that because sediment samples were stored in polyethylene cups, instead of the more recently recommended glass jars (Brooks Rand Ltd., 1990), Hg concentrations may not be accurate. Glass containers are recommended because the diffusion of Hg both into and out of the container is prevented.

Figure 2: Locations of lakes sampled. Dots represent the location of one or more lakes sampled in the same proximity.

3.2 Sediment Analysis

Sediments were analyzed for a number of variables which included Al, As, B, Ba, Be, C (organic, inorganic, and total), Ca, Cd, Co, Cr, Cu,Fe, Hg, Mg, Mn, Mo, N (Kjeldahl), Ni, P, Pb, S, Se, Sn, Sr, Ti, V, Zn, and volatiles. Analyses were performed by the Ministry of Environment Environmental Laboratory in Vancouver, B.C. Details of the methods are listed in McQuaker (1989).

Mercury content was determined by first air drying the sample followed by grinding. The sample was then digested in *aqua regia* (nitric and hydrochloric acid) and levels were determined manually using cold vapour atomic absorption spectrophotmetry. Arsenic content was determined by drying and grinding the sample followed by digestion in nitric and perchloric acids, hydride generation, and finally low level inductively coupled plasma emission spectrometry (ICP). Total inorganic C and total C were determined using a Leco induction furnace. Organic C was determined by subtraction of total inorganic C from total C. Sulfur content was also determined by Leco induction furnace. Volatiles were determined gravimetrically after igniting the sample at 550° C for one hour and cooling in a vacuum desiccator (Swain and Walton, 1992).

Nitrogen was determined using the Kjeldahl method in which the sample is digested in boiling sulfuric acid. The Kjeldahl N is the sum of the N containing compounds which are converted to

ammonium bisulfate during the digestion procedure. Ammonia is liberated by the addition of alkali and then distilled into a boric acid solution. The N is finally determined by titration with a standard sulfuric acid (McQuaker, 1989).

Inductively coupled plasma atomic emission spectroscopy (ICP) was used to determine levels of Al, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Mg, Mn, Mo, Ni, P, Pb, Se, Sn, Sr, Ti, V, and Zn. The sample is dried, ground and then undergoes a nitric-perchloric digestion to solubilize the solid matter and to remove the organics by oxidation and volatilization. The sample is then introduced to the ICP and the atomic emission corresponding to each element is measured (McQuaker, 1989). Each metal determined by ICP has a minimum reportable concentration measured in µg/g dry-weight. These minimums are listed in Table 1. In the analyses of sediments, if the concentration was determined to be less than the reportable minimum it was used in our interpretation as being equal to the minimum value.

3.3 Data Analysis

A total of 390 lakes were sampled and data from 369 of those are included in this report. Water chemistry data were included in the data set used and these data were generally collected at two depths: one metre below the surface and a second depth close to the bottom

in the deepest part of the lake. Sediment samples were taken only as surface sediments in the deepest portion of the lake. Sediment data were duplicated when matched with water chemistry data because of the multiple sampling depths for water chemistry. To avoid problems in the statistical analysis of the data, only sediment

Table 1: Minimal reportable concentrations for sediment variables determined by ICP.

Sediment Variable	Symbol	Minimum Reportable Concentration (µg/g)
Aluminum	Al	2
Boron	B	1
Barium	Ba	1
Berylium	Be	1
Calcium	Ca	2
Cadmium	Cd	1
Cobalt	Co	10
Chromium	Cr	1
Copper	Cu	1
Iron	Fe	1
Magnesium	Mg	2
Manganese	Mn	1
Molybdenum	Mo	1
Nickel	Ni	5
Phosphorus	P	50
Lead	Pb	10
Selenium	Se	10
Tin	Sn	5
Strontium	Sr	1
Titanium	Ti	1
Vanadium	V	1
Zinc	Zn	1

samples which corresponded with water samples taken at one metre were included in the analysis. The majority of lakes were sampled at one metre and therefore the largest possible data set was obtained (i.e., 369 lakes with corresponding sediment and water

chemistry). Mean sediment variable concentrations were calculated on the basis of tectonic region, tectonic sub-region, and individual lake.

Data were tested for normality on the basis of tectonic sub-region. Failing to show evidence of normality the data were ranked and sediment variable concentrations in adjacent tectonic regions were compared using the Wilcoxon Rank Sum Test and the following hypotheses:

H_o: IB [variable] = CM [variable]

H_o: CM [variable] = IP [variable]

H_o: IP [variable] = OB [variable]

H_o: OB [variable] = RM [variable]

H_o: RM [variable] = AP [variable],

where IB, CM, IP, OB, RM, and Ap represent the tectonic regions as given in Figure 1.

The purpose of these tests was to identify differences in mean metal concentrations and therefore justify dividing the province into separate tectonic regions. The sub-regional metal concentrations were tested against each other within a tectonic region using the Wilcoxon Rank Sum Test (H_o: $\mu_1 = \mu_2$) or the Kruskil-Wallis Test (H_o: $\mu_1=\mu_2=...\mu_n$). These tests would show similarities between sub-regional variable concentrations within a tectonic region.

Least squares regression was used to identify relationships between sediment variable concentration and an independent variable with a minimum sample size of 10. The independent variables used were lake water pH, sediment pH, organic C, lake surface area, mean depth, lake volume, watershed size, runoff, sample depth and altitude. Sulfur, Fe, and Mn were also tested as independent variables because of their metal binding capabilities (Wren *et al.*, 1983; Jenne *et al.*, 1977; Lee, 1975). Regressions were done for both sub-region and entire tectonic region data. Least squares regressions showing R^2 values greater than 0.3 were plotted to illustrate the trend. If regressions were significant only because of one outlying value they were not included. Lines of best fit were drawn using least squares regression ($Y_i = aX_i + b + \text{error}$), logarithmic regression ($Y_i = a * X_ib + \text{error}$), or exponential regression ($Y_i = a * 10^{(b * Xi)} + \text{error}$). The model which provided the highest R^2 value was used. Significant regressions for entire tectonic region data are presented only if no significant relationships were found in any of the sub-regions. All statistical tests, except logarithmic and exponential regression, were performed using the SAS system for statistical analysis at the 95% significance level. Logarithmic and exponential regression were performed using the Cricket Graph software package (Cricket Software, Malvern, PA).

4.0 RESULTS AND DISCUSSION

4.1 Metal Concentration by Sub-region

Mean concentrations for sediment variables as dry-weight (DW) and mean percentages of dry-weight (volatiles) are listed by sub-region in Tables 2a to 2m.

Table 2a: Mean sediment variable concentrations for the southern Insular Belt (Vancouver Island) tectonic sub-region.

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	83	19.73	10.53
As (µg/g DW)	83	44.92	151.6
B (µg/g DW)	31	21.94	79.64
Ba (µg/g DW)	82	79.17	54.25
Be (µg/g DW)	31	1.00	0.00
Ca (mg/g DW)	83	6.75	2.48
Cd (µg/g DW)	83	1.16	0.86
Co (µg/g DW)	83	23.94	50.10
Cr (µg/g DW)	83	360.0	331.3
Cu (µg/g DW)	82	612.3	504.5
Fe (mg/g DW)	83	306.9	288.0
Hg (µg/g DW)	82	0.17	0.08
Mg (mg/g DW)	83	49.00	77.87
Mn (µg/g DW)	83	2307	7807
Mo (µg/g DW)	83	7.67	7.49
Ni (µg/g DW)	83	22.73	11.51
P (µg/g DW)	83	1301	658.2
Pb (µg/g DW)	83	39.35	42.17
S (µg/g DW)	53	3825	3788
Se (µg/g DW)	83	13.89	7.53
Sn (µg/g DW)	63	10.08	15.24
Sr (µg/g DW)	83	34.39	29.93
Ti (µg/g DW)	31	365.1	245.5
V (µg/g DW)	50	55.54	27.03
Zn (µg/g DW)	83	70.57	32.01
Inorganic C (mg/g DW)	83	3.36	2.17
Organic C (mg/g DW)	83	166.5	74.97
Total C (mg/g DW)	83	169.8	74.08
Kjeldahl N (mg/g DW)	83	11.61	5.98
Volatiles (%)	83	40.61	13.80

Table 2b: Mean sediment variable concentrations for the northern Insular Belt (Queen Charlotte Islands) tectonic sub-region (north from 52° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	10	25.76	7.67
As (µg/g DW)	10	70.50	46.60
B (µg/g DW)	5	10.80	21.91
Ba (µg/g DW)	10	129.9	71.03
Be (µg/g DW)	5	1.00	0.00
Ca (mg/g DW)	10	6.09	2.23
Cd (µg/g DW)	10	1.20	0.63
Co (µg/g DW)	10	22.50	10.39
Cr (µg/g DW)	10	393.0	274.6
Cu (µg/g DW)	10	304.0	325.1
Fe (mg/g DW)	10	494.0	290.3
Hg (µg/g DW)	10	0.34	0.19
Mg (mg/g DW)	10	40.92	41.73
Mn (µg/g DW)	10	2983	2972
Mo (µg/g DW)	10	16.80	7.50
Ni (µg/g DW)	10	17.40	17.56
P (µg/g DW)	10	1510	532.2
Pb (µg/g DW)	10	24.70	9.99
S (µg/g DW)	5	2412	375.3
Se (µg/g DW)	10	19.10	8.14
Sn (µg/g DW)	10	8.20	3.82
Sr (µg/g DW)	10	46.00	33.81
Ti (µg/g DW)	5	538.6	551.1
V (µg/g DW)	5	68.60	38.14
Zn (µg/g DW)	10	77.00	36.95
Inorganic C (mg/g DW)	10	3.17	2.27
Organic C (mg/g DW)	10	176.4	84.27
Total C (mg/g DW)	10	179.8	82.67
Kjeldahl N (mg/g DW)	10	8.53	3.69
Volatiles (%)	10	43.53	14.10

Table 2c: Mean sediment variable concentrations for the southern Cascade Mountains tectonic sub-region (south from 54° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	20	19.84	11.78
As (µg/g DW)	20	29.65	11.19
B (µg/g DW)	16	3.06	8.25
Ba (µg/g DW)	20	92.30	80.29
Be (µg/g DW)	16	1.00	0.00
Ca (mg/g DW)	20	5.61	3.13
Cd (µg/g DW)	20	1.05	0.22
Co (µg/g DW)	20	16.25	8.52
Cr (µg/g DW)	20	206.0	129.1
Cu (µg/g DW)	20	592.0	387.3
Fe (mg/g DW)	20	249.7	204.1
Hg (µg/g DW)	19	0.22	0.16
Mg (mg/g DW)	20	44.99	48.41
Mn (µg/g DW)	20	614.3	962.3
Mo (µg/g DW)	20	15.15	9.17
Ni (µg/g DW)	20	12.65	4.76
P (µg/g DW)	20	1188	724.7
Pb (µg/g DW)	20	41.75	28.59
S (µg/g DW)	4	2827	2361
Se (µg/g DW)	20	11.15	2.60
Sn (µg/g DW)	20	6.30	2.56
Sr (µg/g DW)	20	37.00	23.90
Ti (µg/g DW)	16	518.1	323.7
V (µg/g DW)	16	38.31	16.16
Zn (µg/g DW)	20	88.65	101.3
Inorganic C (mg/g DW)	19	28.92	114.1
Organic C (mg/g DW)	19	147.7	91.83
Total C (mg/g DW)	20	153.6	89.46
Kjeldahl N (mg/g DW)	20	9.05	5.57
Volatiles (%)	20	37.39	20.25

Table 2d: Mean sediment variable concentrations for the northern Cascade Mountains tectonic sub-region (north from 54° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	11	19.21	6.10
As (µg/g DW)	11	9.45	17.48
B (µg/g DW)	2	1.00	0.00
Ba (µg/g DW)	11	249.1	102.2
Be (µg/g DW)	2	1.00	0.00
Ca (mg/g DW)	11	4.65	2.21
Cd (µg/g DW)	11	1.00	0.00
Co (µg/g DW)	11	24.18	11.06
Cr (µg/g DW)	11	326.4	190.9
Cu (µg/g DW)	11	443.6	260.7
Fe (mg/g DW)	11	349.0	140.9
Hg (µg/g DW)	11	0.09	0.05
Mg (mg/g DW)	11	95.42	40.30
Mn (µg/g DW)	11	357.7	213.6
Mo (µg/g DW)	11	12.00	9.95
Ni (µg/g DW)	11	19.73	10.96
P (µg/g DW)	11	1615	579.5
Pb (µg/g DW)	11	20.64	8.77
S (µg/g DW)	9	1337	707.5
Se (µg/g DW)	11	16.18	5.29
Sn (µg/g DW)	11	10.18	5.42
Sr (µg/g DW)	11	39.18	33.87
Ti (µg/g DW)	2	719.5	524.0
V (µg/g DW)	2	62.50	53.03
Zn (µg/g DW)	11	70.91	21.92
Inorganic C (mg/g DW)	11	2.76	1.99
Organic C (mg/g DW)	11	110.0	62.44
Total C (mg/g DW)	11	113.3	62.62
Kjeldahl N (mg/g DW)	11	5.74	4.21
Volatiles (%)	11	23.65	14.86

Table 2e: Mean sediment variable concentrations for the southern Interior Plateau tectonic sub-region (south from 52° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	60	9.75	5.81
As (µg/g DW)	60	24.38	21.45
B (µg/g DW)	26	21.50	35.24
Ba (µg/g DW)	60	147.5	93.58
Be (µg/g DW)	26	1.04	0.20
Ca (mg/g DW)	60	68.74	70.76
Cd (µg/g DW)	60	1.25	1.04
Co (µg/g DW)	60	13.47	5.22
Cr (µg/g DW)	60	330.3	231.4
Cu (µg/g DW)	60	355.5	230.0
Fe (mg/g DW)	60	256.0	227.4
Hg (µg/g DW)	42	0.15	0.16
Mg (mg/g DW)	60	81.39	98.91
Mn (µg/g DW)	60	1331	1506
Mo (µg/g DW)	60	17.08	12.94
Ni (µg/g DW)	60	22.40	11.43
P (µg/g DW)	60	1296	814.8
Pb (µg/g DW)	60	31.85	32.33
S (µg/g DW)	34	7838	4660
Se (µg/g DW)	60	16.83	6.98
Sn (µg/g DW)	56	11.34	6.89
Sr (µg/g DW)	60	311.6	387.6
Ti (µg/g DW)	26	195.2	164.0
V (µg/g DW)	30	35.20	19.27
Zn (µg/g DW)	60	62.37	41.56
Inorganic C (mg/g DW)	59	15.80	18.22
Organic C (mg/g DW)	59	118.1	75.80
Total C (mg/g DW)	60	137.8	78.89
Kjeldahl N (mg/g DW)	44	12.18	7.42
Volatiles (%)	60	29.30	17.46

Table 2f: Mean sediment variable concentrations for the central Interior Plateau tectonic sub-region (52° N to 56° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	55	12.13	8.06
As (µg/g DW)	55	27.51	23.80
B (µg/g DW)	38	13.82	53.28
Ba (µg/g DW)	55	228.3	391.5
Be (µg/g DW)	38	1.00	0.00
Ca (mg/g DW)	55	14.02	20.24
Cd (µg/g DW)	55	1.22	1.12
Co (µg/g DW)	55	14.33	10.34
Cr (µg/g DW)	54	373.5	283.14
Cu (µg/g DW)	55	468.6	339.51
Fe (mg/g DW)	55	262.9	178.88
Hg (µg/g DW)	51	0.17	0.12
Mg (mg/g DW)	55	66.03	85.60
Mn (µg/g DW)	55	2532	10540
Mo (µg/g DW)	55	14.07	15.77
Ni (µg/g DW)	55	45.20	63.65
P (µg/g DW)	55	1786	1192
Pb (µg/g DW)	55	20.33	10.38
S (µg/g DW)	17	3280	2169
Se (µg/g DW)	55	13.27	8.59
Sn (µg/g DW)	51	8.20	4.69
Sr (µg/g DW)	55	78.65	79.04
Ti (µg/g DW)	38	245.8	339.5
V (µg/g DW)	42	31.21	18.18
Zn (µg/g DW)	55	89.58	59.58
Inorganic C (mg/g DW)	50	12.59	37.41
Organic C (mg/g DW)	50	163.1	105.4
Total C (mg/g DW)	53	173.3	106.4
Kjeldahl N (mg/g DW)	55	14.12	8.92
Volatiles (%)	55	37.22	19.58

Table 2g: Mean sediment variable concentrations for the northern Interior Plateau tectonic sub-region (north from 52° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	17	16.68	5.57
As (µg/g DW)	17	151.8	409.9
B (µg/g DW)	12	39.50	80.53
Ba (µg/g DW)	17	286.8	220.8
Be (µg/g DW)	12	1.50	1.24
Ca (mg/g DW)	17	7.54	5.56
Cd (µg/g DW)	17	1.88	2.64
Co (µg/g DW)	17	27.41	15.19
Cr (µg/g DW)	17	1045	854.3
Cu (µg/g DW)	17	721.8	299.4
Fe (mg/g DW)	17	325.8	190.8
Hg (µg/g DW)	17	0.14	0.09
Mg (mg/g DW)	17	161.4	155.5
Mn (µg/g DW)	17	1268	1084
Mo (µg/g DW)	17	18.82	14.19
Ni (µg/g DW)	17	128.4	158.9
P (µg/g DW)	17	1154	834.3
Pb (µg/g DW)	17	28.29	6.05
S (µg/g DW)	5	774.4	301.0
Se (µg/g DW)	17	17.53	11.80
Sn (µg/g DW)	16	9.25	5.56
Sr (µg/g DW)	17	44.65	19.24
Ti (µg/g DW)	12	270.0	306.9
V (µg/g DW)	13	49.77	22.98
Zn (µg/g DW)	17	111.8	40.33
Inorganic C (mg/g DW)	17	3.57	3.33
Organic C (mg/g DW)	17	36.24	59.42
Total C (mg/g DW)	17	39.59	59.06
Kjeldahl N (mg/g DW)	17	3.63	6.02
Volatiles (%)	17	12.99	13.35

Table 2h: Mean sediment variable concentrations for the southern Omineca Belt tectonic sub-region (52° N to 56° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	29	10.59	10.06
As (µg/g DW)	29	28.62	21.82
B (µg/g DW)	24	9.00	26.66
Ba (µg/g DW)	29	134.6	93.87
Be (µg/g DW)	24	1.00	0.00
Ca (mg/g DW)	29	67.68	83.82
Cd (µg/g DW)	29	1.45	1.88
Co (µg/g DW)	29	17.17	14.38
Cr (µg/g DW)	29	233.5	259.8
Cu (µg/g DW)	29	667.9	1496
Fe (mg/g DW)	29	205.1	201.9
Hg (µg/g DW)	27	0.11	0.07
Mg (mg/g DW)	29	88.78	93.88
Mn (µg/g DW)	28	863.5	1358
Mo (µg/g DW)	29	10.79	8.04
Ni (µg/g DW)	29	20.24	16.11
P (µg/g DW)	29	812.1	433.4
Pb (µg/g DW)	29	81.69	138.7
S (µg/g DW)	4	4942	3592
Se (µg/g DW)	29	13.97	6.03
Sn (µg/g DW)	28	10.50	7.58
Sr (µg/g DW)	28	152.1	170.3
Ti (µg/g DW)	25	428.6	959.2
V (µg/g DW)	25	29.12	35.19
Zn (µg/g DW)	28	112.9	146.8
Inorganic C (mg/g DW)	27	19.82	27.63
Organic C (mg/g DW)	27	114.9	108.3
Total C (mg/g DW)	28	140.5	105.6
Kjeldahl N (mg/g DW)	29	10.97	10.42
Volatiles (%)	27	27.07	22.19

Table 2i: Mean sediment variable concentrations for the central Omineca Belt tectonic sub-region (52° to 56° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	22	17.04	7.80
As (µg/g DW)	22	21.55	20.89
B (µg/g DW)	10	4.30	6.67
Ba (µg/g DW)	22	243.4	155.8
Be (µg/g DW)	10	1.00	0.00
Ca (mg/g DW)	22	7.90	6.15
Cd (µg/g DW)	22	1.59	1.50
Co (µg/g DW)	22	19.73	13.82
Cr (µg/g DW)	22	643.2	335.9
Cu (µg/g DW)	22	552.3	296.8
Fe (mg/g DW)	22	368.2	200.8
Hg (µg/g DW)	21	0.21	0.11
Mg (mg/g DW)	22	61.45	35.38
Mn (µg/g DW)	22	1774	3028
Mo (µg/g DW)	22	13.18	6.70
Ni (µg/g DW)	22	43.18	17.08
P (µg/g DW)	22	2178	1678
Pb (µg/g DW)	22	32.45	15.79
S (µg/g DW)	12	2450	1622
Se (µg/g DW)	22	15.95	9.38
Sn (µg/g DW)	22	11.50	8.88
Sr (µg/g DW)	21	37.19	15.65
Ti (µg/g DW)	10	661.8	1062
V (µg/g DW)	10	50.90	19.91
Zn (µg/g DW)	22	98.86	33.14
Inorganic C (mg/g DW)	22	2.70	1.83
Organic C (mg/g DW)	22	128.6	98.13
Total C (mg/g DW)	22	131.2	98.27
Kjeldahl N (mg/g DW)	22	12.24	87.59
Volatiles (%)	22	32.29	18.67

Table 2j: Mean sediment variable concentrations for the northern Omineca Belt tectonic sub-region (north from 52° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	25	17.05	6.94
As (µg/g DW)	25	26.84	14.00
B (µg/g DW)	19	27.95	69.87
Ba (µg/g DW)	25	301.4	439.4
Be (µg/g DW)	19	1.21	0.63
Ca (mg/g DW)	25	27.61	68.00
Cd (µg/g DW)	25	1.28	1.21
Co (µg/g DW)	25	20.16	9.37
Cr (µg/g DW)	25	477.6	337.0
Cu (µg/g DW)	25	392.4	298.8
Fe (mg/g DW)	25	372.8	218.1
Hg (µg/g DW)	25	0.14	0.12
Mg (mg/g DW)	25	72.92	34.41
Mn (µg/g DW)	25	1974	2958
Mo (µg/g DW)	25	24.64	35.65
Ni (µg/g DW)	25	34.12	20.24
P (µg/g DW)	25	1389	998.6
Pb (µg/g DW)	25	36.92	20.27
S (µg/g DW)	6	1067	487.7
Se (µg/g DW)	25	15.88	15.39
Sn (µg/g DW)	24	8.88	4.59
Sr (µg/g DW)	25	79.96	108.4
Ti (µg/g DW)	19	321.6	266.8
V (µg/g DW)	20	45.50	44.81
Zn (µg/g DW)	25	98.44	58.74
Inorganic C (mg/g DW)	25	10.76	20.25
Organic C (mg/g DW)	25	28.24	19.38
Total C (mg/g DW)	25	39.04	28.36
Kjeldahl N (mg/g DW)	25	2.92	2.37
Volatiles (%)	25	11.33	5.72

Table 2k: Mean sediment variable concentrations for the southern Rocky Mountain tectonic sub-region (south from 54° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	27	9.63	4.32
As (µg/g DW)	27	15.48	10.35
B (µg/g DW)	12	5.17	6.41
Ba (µg/g DW)	27	97.37	75.04
Be (µg/g DW)	12	1.00	0.00
Ca (mg/g DW)	27	77.47	79.46
Cd (µg/g DW)	27	1.22	0.64
Co (µg/g DW)	27	13.48	7.46
Cr (µg/g DW)	27	252.2	166.8
Cu (µg/g DW)	27	178.9	84.46
Fe (mg/g DW)	27	234.0	159.7
Hg (µg/g DW)	27	0.09	0.04
Mg (mg/g DW)	27	141.9	107.5
Mn (µg/g DW)	27	738.2	1485
Mo (µg/g DW)	27	8.93	7.80
Ni (µg/g DW)	27	27.26	25.68
P (µg/g DW)	27	888.7	458.3
Pb (µg/g DW)	27	37.89	19.69
S (µg/g DW)	15	4077	3236
Se (µg/g DW)	27	14.33	5.67
Sn (µg/g DW)	25	10.48	6.18
Sr (µg/g DW)	27	96.48	85.86
Ti (µg/g DW)	12	32.75	64.47
V (µg/g DW)	14	9.07	3.27
Zn (µg/g DW)	27	106.2	100.8
Inorganic C (mg/g DW)	27	27.77	32.38
Organic C (mg/g DW)	27	77.81	59.74
Total C (mg/g DW)	27	103.6	51.10
Kjeldahl N (mg/g DW)	27	7.51	5.76
Volatiles (%)	27	19.04	11.90

Table 2l: Mean sediment variable concentrations for the northern Rocky Mountain tectonic sub-region (north from 54° N).

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	11	10.70	7.10
As (µg/g DW)	11	21.27	10.75
B (µg/g DW)	6	1.17	0.41
Ba (µg/g DW)	11	255.2	179.2
Be (µg/g DW)	6	1.00	0.00
Ca (mg/g DW)	11	85.14	89.58
Cd (µg/g DW)	11	1.00	0.00
Co (µg/g DW)	11	13.55	4.06
Cr (µg/g DW)	11	259.1	122.0
Cu (µg/g DW)	11	281.8	194.7
Fe (mg/g DW)	11	290.4	204.4
Hg (µg/g DW)	11	0.13	0.14
Mg (mg/g DW)	11	186.3	191.0
Mn (µg/g DW)	11	1224	1599
Mo (µg/g DW)	11	8.36	6.61
Ni (µg/g DW)	11	25.64	14.09
P (µg/g DW)	11	1427	1738
Pb (µg/g DW)	11	30.27	12.31
S (µg/g DW)	5	3988	1992
Se (µg/g DW)	11	14.09	4.59
Sn (µg/g DW)	11	11.18	4.58
Sr (µg/g DW)	11	141.7	142.4
Ti (µg/g DW)	6	4.17	3.92
V (µg/g DW)	6	18.33	12.60
Zn (µg/g DW)	11	93.73	85.31
Inorganic C (mg/g DW)	11	28.60	32.46
Organic C (mg/g DW)	11	81.73	104.4
Total C (mg/g DW)	11	110.2	92.81
Kjeldahl N (mg/g DW)	11	6.20	6.91
Volatiles (%)	11	20.22	22.27

Table 2m: Mean sediment variable concentrations for the Alberta Plateau tectonic region.

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	21	8.98	4.00
As (µg/g DW)	21	23.95	4.35
B (µg/g DW)	19	1.00	0.00
Ba (µg/g DW)	21	196.7	170.7
Be (µg/g DW)	19	1.00	0.00
Ca (mg/g DW)	21	14.92	19.05
Cd (µg/g DW)	21	1.00	0.00
Co (µg/g DW)	21	10.95	2.20
Cr (µg/g DW)	20	214.5	103.2
Cu (µg/g DW)	21	214.8	120.3
Fe (mg/g DW)	21	202.5	111.7
Hg (µg/g DW)	21	0.19	0.07
Mg (mg/g DW)	21	28.08	9.75
Mn (µg/g DW)	21	226.2	179.3
Mo (µg/g DW)	21	3.95	2.87
Ni (µg/g DW)	21	30.62	13.66
P (µg/g DW)	21	995.6	626.7
Pb (µg/g DW)	21	18.86	8.11
S (µg/g DW)	2	2365	1209
Se (µg/g DW)	21	10.71	2.26
Sn (µg/g DW)	21	7.67	2.50
Sr (µg/g DW)	21	44.48	20.52
Ti (µg/g DW)	19	11.37	13.56
V (µg/g DW)	19	17.21	5.46
Zn (µg/g DW)	21	113.1	46.45
Inorganic C (mg/g DW)	21	3.39	5.35
Organic C (mg/g DW)	21	168.0	83.88
Total C (mg/g DW)	21	171.4	85.27
Kjeldahl N (mg/g DW)	21	14.94	6.47
Volatiles (%)	21	39.02	16.53

Northern sub-regions showed higher mean concentrations for more sediment variables (22) than southern sub-regions (5) or central sub-regions (2). The northern Interior Plateau, which has high concentrations of Cu and Mo as well as chromite and Ni ores (Section 2.0), showed the highest concentrations for Cu (721.8 µg/g), Cr (1045 µg/g), Ni (128.4 µg/g), As (151.8 µg/g), B (39.50 µg/g), Be (1.50 µg/g), Cd (1.88 µg/g), Co (27.41 µg/g), Se (19.10 µg/g), and volatiles (43.53%). The northern Insular Belt, which has high incidence of Cu and Fe ores (Section 2.0), showed the highest concentrations for Fe (494.7 mg/g), Al (25.76 mg/g), Hg (0.34 µg/g), Mn (2983 µg/g), V (68.60 µg/g), organic C (176.4 mg/g), and total C (179.8 mg/g). It should be noted that the Interior Plateau and Insular Belt sub-regions consisted of relatively small sample sizes (maximums of 17 and 10, respectively) and that more samples may be required to provide a more accurate estimate of the mean.

The northern Omineca Belt showed the highest mean concentrations for Ba (301.4 µg/g) and Mo (24.64 µg/g). The northern Rocky Mountains showed the highest mean sediment concentrations for Ca (85.14 mg/g) and Mg (186.3 mg/g). The Alberta Plateau tectonic region showed the highest mean sediment concentration of Kjeldahl N (14.73 mg/g) and Zn (113.1 µg/g). The northern Cascade Mountains showed the highest mean sediment concentration for Ti (719.5 µg/g); however, the sample size was small (n = 2) and, therefore, the central Omineca Belt should be considered to have the highest mean sediment concentration of Ti (661.8 µg/g). The central

Omineca Belt also showed the highest mean sediment concentration for P (2178 µg/g) and Sn (11.50 µg/g) The southern Omineca Belt sub-region, known for its Cu, Pb, Zn, and Ag deposits (Section 2.0), showed the highest mean sediment concentrations for Pb (81.69 µg/g). The southern Interior Plateau sub-region showed the highest mean sediment concentrations for S (7837 µg/g) and Sr (311.6 µg/g). The southern Cascade Mountains sub-region showed the highest mean sediment concentration of inorganic C (28.92 mg/g).

Mean values were also calculated for entire tectonic regions and these results are listed in Appendix 1. Appendix 2 lists the mean values for the individual lakes sampled and all 390 lakes sampled are included.

4.2 Testing For Normality

Testing for normality showed that 93.8% of all parameters tested did not come from a normally distributed population. Those tests that did show evidence of a normal distribution are listed in Appendix 3. The data from the northern Cascade Mountains sub-region showed the most evidence of a normal distribution. Eight of the 29 variables tested (Al, Ba, Cr, Cu, Fe, Mg, Ni, organic C, and total C) showed evidence of coming from a normally distributed population. The other sub-regions showing evidence of normally distributed data were the southern Cascade Mountains (V), northern

Insular Belt (Al, As, Mo, Zn), northern Interior Plateau (Al, Fe, Pb, Zn), central Omineca Belt (Al, Ni, Sr, V, Zn), northern Rocky Mountains (Cr), and the southern Rocky Mountains (Al). Because the majority of parameters tested within a sub-region were not normally distributed, all data were treated as not being normally distributed.

4.3 Inter-Regional Comparison of Variable Concentrations

The results of Wilcoxon Rank Sum Tests comparing the sediment variable concentrations between adjacent regions are listed in Appendix 4. The largest overall differences were seen between the Rocky Mountains and Alberta Plateau tectonic regions, where 60.0% of variable concentrations were significantly different. The Omineca Belt showed differences in 53.3% of variable concentrations from those of the Rocky Mountains. The Cascade Mountains showed significant differences in 43.3% of variable concentrations from those of the Interior Plateau. There were significant differences in 36.7% of the metal concentrations between the Insular Belt and Cascade Mountains regions, and 33.3% between the Interior Plateau and Omineca Belt regions.

4.4 Intra-Regional Comparison Of Variable Concentrations

The sub-regional mean sediment variable concentrations were tested to compare sediment concentrations within a tectonic region. The Rocky Mountains tectonic region showed the most uniformity with 96.6% of the sediment variables showing no significant difference in concentration between northern and southern sub-regions. Barium was the only variable which was significantly different. This suggests that the Rocky Mountains data could be pooled to provide a larger sample size.

There was no significant difference between 70.0% of sediment variable concentrations in the Cascade Mountains sub-regions. The variables which showed a difference in concentrations between northern and southern sub-regions were As, Ba, Co, Cr, Hg, Mg, Pb, Se, and Sn. The Insular Belt tectonic region showed no significant difference between 66.7% of sediment variable concentrations. The variables that were significantly different were As, Ba, Cu, Fe, Hg, Mn, Mo, Ni, Se, and Sr. Several variables (B, Be, S, Ti, and V) in the northern Rocky Mountains, Cascade Mountains, and Insular Belt data had small sample sizes ($n<10$) and conclusions involving these should be used with caution until larger sample sizes are available.

The Interior Plateau and Omineca Belt tectonic regions showed more variability in sediment variables and this may have been caused by the division of the region into a third sub-region, instead of two as

in the Insular Belt, Cascade Mountains, and Rocky Mountains regions. The Interior Plateau and Omineca Belt showed only 30.0% and 33.3%, respectively, of the variable concentrations to be similar. The variable concentrations within the Interior Plateau region which were significantly different among the three sub-regions were Al, As, Ba, Be, Ca, Co, Cr, Mg, Ni, P, Pb, S, Se, Sn, Sr, V, Zn, organic C, inorganic C, Kjeldahl N, and volatiles. In the Omineca Belt region the variable concentrations which were different were Al, Ba, Ca, Co, Cr, Cu, Fe, Hg, Mo, Ni, P, S, Sr, V, Zn, organic C, inorganic C, total C, Kjeldahl N, and volatiles. Sample sizes involving sediment S concentrations were small ($n<10$) in the northern Interior Plateau, northern Omineca Belt, and southern Omineca Belt sub-regions.

4.5 Regression Analysis

4.5.1 Lake water pH

The results of significant regression analyses on sediment variable concentration as a function of lake water pH are listed in Table 3. Graphical representations of these results are illustrated in Appendix 5.

Four variables showed significant regressions in three sub-regions. These variables were Al, Ca, Sr, and V. Aluminum decreased linearly with increasing water pH in all sub-regions of the Omineca Belt, with the strongest relationship in the southern Omineca Belt (R^2 =

0.493). Sediment Ca concentrations had the highest R^2 values and this result is likely due to the fact that Ca is an important factor in determining lake pH. As Ca concentration increases in a lake so does the pH of the water. Calcium concentrations increased linearly with lake water pH in the southern and central Omineca Belt, and the central Interior Plateau, with the strongest relationship in the central Omineca Belt (R^2 = 0.746). Sediment Sr concentrations

Table 3: Sediment variable concentrations related to lake water pH. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–)

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
Al	s. OB	29	0.493	LSR	–
Al	c. OB	22	0.389	LSR	–
Al	n. OB	25	0.343	LSR	–
C (inorganic)	s. OB	27	0.323	LSR	+
Ca	s. OB	29	0.644	ER	+
Ca	c. OB	22	0.746	ER	+
Ca	c. IP	54	0.552	ER	+
Cu	CM	31	0.357	ER	+
Mg	s. IP	59	0.389	ER	+
P	n. OB	25	0.338	LSR	–
S	OB	22	0.399	LSR	+
Sr	s. OB	28	0.500	ER	+
Sr	s. IP	59	0.440	ER	+
Sr	c. IP	54	0.333	LSR	+
Ti	s. OB	25	0.588	ER	–
Ti	n. OB	19	0.550	LSR	–
V	c. OB	10	0.528	LSR	–
V	s. IP	29	0.349	LSR	–
V	CM	18	0.343	ER	+
Sediment pH	IP	17	0.479	LSR	+

increased exponentially in the southern Omineca Belt and southern Interior Plateau, and linearly in the central Interior Plateau. The

strongest relationship for Sr was in the southern Omineca Belt (R^2 = 0.500). Vanadium also showed significant regressions in three sub-regions; however, they do not show the same relationship. Relationships in the central Omineca Belt and southern Interior Plateau show negative regressions, with the central Omineca Belt showing the stronger R^2 value (0.528). Vanadium was positively related to lake water pH in the Cascade Mountains region (R^2 = 0.343).

Other sediment variables which showed a significant, positive relationship with increasing water pH were inorganic C (southern Omineca Belt), Cu (Cascade Mountains), Mg (southern Interior Plateau), V (Cascade Mountains), S (Omineca Belt), and sediment pH (Interior Plateau).

Phosphorus (northern Omineca Belt) and Ti (southern and northern Omineca Belt) showed decreasing sediment concentrations with increasing water pH. The Omineca Belt was the only tectonic region to show negative relationships with increasing water pH other than sediment V concentration in the southern Interior Plateau.

4.5.2 Sediment pH

The results of significant regression analyses on sediment variable concentration as a function of sediment pH are listed in Table 4. Graphical representations of these regressions are illustrated in Appendix 6.

Small sample sizes for sediment pH data resulted in significant relationships for entire tectonic regions only. Organic C, S, Kjeldahl N, and volatiles all decreased with increasing sediment pH in the

Table 4: Sediment variable concentrations related to sediment pH. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
Al	IP	17	0.478	LSR	–
C (organic)	IB	20	0.477	LSR	–
Ca	IP	17	0.635	ER	+
Mo	IP	17	0.342	LSR	+
Pb	IP	17	0.506	ER	+
S	IB	20	0.520	ER	–
Sr	IP	17	0.433	ER	+
Kjeldahl N	IB	20	0.434	LSR	–
Volatiles	IB	20	0.458	LSR	–

Insular Belt region. Calcium, Mo, Pb, and Sr all increased with sediment pH in the Interior Plateau region, suggesting that these variables precipitate in alkaline sediment conditions. Sediment Al concentrations showed a negative relationship with sediment pH in the Interior Plateau region.

4.5.3 Sediment organic carbon

Sediment variable concentrations showing significant regressions with sediment organic C concentrations are listed in Table 5.

Strong, positive relationships were seen between organic C and

Table 5: Sediment variable concentrations related to sediment organic C concentration. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
Al	c. OB	22	0.415	LSR	–
Ca	n. IB	10	0.381	ER	+
Cu	s. CM	19	0.415	LSR	–
Cu	n. IB	10	0.527	ER	–
Cr	n. IB	10	0.375	LSR	–
Fe	s. OB	27	0.333	LR	–
Hg	s. CM	19	0.507	LSR	+
Hg	n. CM	11	0.608	ER	+
Hg	n. IB	10	0.450	LR	–
Mg	c. OB	22	0.495	LSR	–
Mg	s. CM	19	0.430	ER	–
Mg	n. RM	11	0.525	LR	–
N (Kjeldahl)	IB	93	0.601	LSR	+
Ni	s. CM	19	0.313	LSR	–
Ni	n. IB	10	0.592	ER	–
P	RM	38	0.334	LSR	+
S	OB	21	0.399	LSR	+
S	s. IP	34	0.330	LSR	+
S	CM	13	0.374	LSR	+
S	s. RM	15	0.720	LSR	+
Sn	AP	29	0.360	ER	+
Sn	n. CM	11	0.669	ER	+
V	n. OB	20	0.455	LSR	+
V	s. CM	15	0.414	LSR	–
Zn	n. IB	10	0.342	LSR	–
pH (sediment)	IB	20	0.477	LSR	–
Volatiles	s. IB	83	0.867	LSR	+
Volatiles	n. IB	10	0.928	LSR	+
Volatiles	s. CM	19	0.971	LSR	+
Volatiles	n. CM	11	0.855	LSR	+
Volatiles	s. IP	59	0.950	LSR	+
Volatiles	c. IP	50	0.953	LSR	+
Volatiles	n. IP	17	0.961	LSR	+
Volatiles	s. OB	27	0.965	LSR	+
Volatiles	c. OB	22	0.883	LSR	+
Volatiles	n. OB	25	0.819	LSR	+
Volatiles	s. RM	27	0.774	LSR	+
Volatiles	n. RM	11	0.993	LSR	+
Volatiles	AP	29	0.969	LSR	+

percent volatiles in all sub-regions with R^2 values ranging from 0.744 (southern Rocky Mountains) to 0.993 (northern Rocky Mountains). This can be expected because it is the organic materials in sediments which are burnt off in volatile analysis. Significant regressions were found for S in four sub-regions, and Mg and Hg in three. Significant regressions were found in two or less sub-regions for all other variables. Magnesium decreased with increasing sediment organic C in the central Omineca Belt, southern Cascade Mountains, and the Rocky Mountains region. The strongest relationship was in the northern Rocky Mountains (R^2 = 0.525). Sulfur increased linearly in the southern Interior Plateau and southern Rocky Mountains sub-regions, and in the Omineca Belt and Cascade Mountains tectonic regions. A strong relationship (R^2 = 0.720) was seen in the southern Rocky Mountains sub-region.

Mercury was positively related to organic C in the southern and northern Cascade Mountains sub-regions. This observation agrees with results reported by Allen *et al.* (1974), who concluded that the accumulation of organic C can cause enhanced sediment Hg levels relative to the surrounding bedrock. Mercury levels decreased, however, in the northern Insular Belt. Graphical representations of relationships involving organic C are illustrated in Appendix 7.

4.5.4 Sediment sulfur

Sediment variable concentrations which showed significant

relationships with sediment S concentration are listed in Table 6. Aluminum decreased with increasing S levels in the southern Insular Belt sub-region and the Omineca Belt region. Barium (Cascade Mountains), Mg (Cascade Mountains), and Pb (central Omineca Belt) also decreased with Pb showing the strongest relationship (R^2 = 0.546). Arsenic (Cascade Mountains), Se (central Interior Plateau), and Sr (southern Insular Belt) showed positive relationships with

Table 6: Sediment variable concentrations related to sediment S concentration. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
Al	s. IB	53	0.324	LR	–
Al	OB	22	0.436	LSR	–
As	CM	13	0.475	LSR	+
Ba	CM	13	0.380	ER	–
Mg	CM	13	0.518	ER	–
Pb	c. OB	12	0.546	LSR	–
Se	c. IP	17	0.363	LSR	+
Sr	s. IB	53	0.306	LSR	+

sediment S concentrations. Graphical representations are presented in Appendix 8.

4.5.5 Sediment iron

The results of significant regression analyses on sediment variable concentration as a function of sediment Fe concentration are listed

in Tables 7a and 7b. Graphical representations of these relationships are illustrated in Appendix 9.

All significant relationships between sediment Fe concentration and sediment variable levels were positive except Mo in the northern Interior Plateau sub-region. Manganese showed significant positive relationships in eight sub-regions with the strongest relationship in the southern Omineca Belt (R^2 = 0.764). Chromium showed significant relationships in seven sub-regions with the strongest relationship in the southern Omineca Belt (R^2 = 0.803). Cobalt, Mo, and Ni all showed significant relationships in five sub-regions with the strongest relationships being in the northern Cascade Mountains (R^2 = 0.758), northern Insular Belt (R^2 = 0.775), and the southern Omineca Belt (R^2 = 0.796), respectively. Iron oxides are nearly ubiquitous in suspended solids and sediments as partial coatings on other minerals and as discrete oxide particles (DeMayo *et al.*, 1978). These oxides may act as a sink for Co, Cu, Ni, and Zn (Lee, 1975; Jenne and Luoma, 1975), as seen in Table 7a and 7b.

4.5.6 Sediment manganese

Significant results of regression analyses using sediment variable concentration as a function of sediment Mn concentration are listed in Table 8 and graphical representations are presented in Appendix 10.

Table 7a: Sediment variable concentrations related to sediment Fe concentration. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
Al	n. CM	11	0.411	ER	+
Al	n. IB	10	0.730	LSR	+
Al	s. OB	29	0.798	LSR	+
As	n. IB	10	0.550	LSR	+
B	s. RM	29	0.795	LSR	+
Ba	AP	21	0.471	LSR	+
Ba	n. IB	10	0.618	LSR	+
Ba	s. OB	29	0.307	LSR	+
Ba	c. IP	55	0.327	LSR	+
Co	s. RM	27	0.564	ER	+
Co	s. CM	20	0.436	ER	+
Co	n. CM	11	0.758	LSR	+
Co	n. IB	10	0.723	LSR	+
Co	s. OB	29	0.585	LSR	+
Cr	AP	21	0.390	LSR	+
Cr	n. RM	11	0.425	LSR	+
Cr	s. RM	27	0.764	LSR	+
Cr	s. IP	60	0.495	LSR	+
Cr	s. CM	20	0.730	LSR	+
Cr	n. IB	10	0.780	ER	+
Cr	s. OB	29	0.803	LSR	+
Cu	s. RM	27	0.488	LSR	+
Cu	n. IP	17	0.400	LSR	+
Cu	n. CM	11	0.746	LSR	+
Hg	n. IB	10	0.631	LSR	+
Mg	n. IP	17	0.640	ER	+
Mg	s. CM	20	0.375	LSR	+
Mg	n. CM	11	0.535	LSR	+

Table 7b: Sediment variable concentrations related to sediment Fe concentration Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
Mn	n. RM	11	0.664	ER	+
Mn	s. IP	60	0.614	LSR	+
Mn	n. IP	17	0.626	LSR	+
Mn	s. CM	20	0.764	ER	+
Mn	s. IB	83	0.593	ER	+
Mn	n. IB	10	0.694	ER	+
Mn	s. OB	28	0.647	ER	+
Mn	n. OB	25	0.336	LSR	+
Mo	AP	21	0.367	LSR	+
Mo	s. RM	27	0.385	LSR	+
Mo	n. IP	17	0.651	LR	–
Mo	n. CM	11	0.680	ER	+
Mo	n. IB	10	0.775	LSR	+
Mo	s. OB	29	0.654	LSR	+
Ni	AP	21	0.328	LSR	+
Ni	n. RM	11	0.685	LSR	+
Ni	n. IP	17	0.493	ER	+
Ni	n. CM	11	0.723	LSR	+
Ni	s. OB	29	0.796	LSR	+
P	n. RM	11	0.629	ER	+
Pb	AP	21	0.621	LSR	+
Pb	n.IB	10	0.952	ER	+
Se	n. IB	10	0.583	LSR	+
Ti	n. IP	12	0.325	LSR	+
V	s. OB	25	0.565	ER	+
V	CM	18	0.447	LR	+
Zn	AP	21	0.529	LR	+
Zn	n. RM	11	0.726	ER	+
Zn	n. CM	11	0.438	LSR	+
Zn	n. IB	10	0.764	LSR	+

Table 8: Sediment variable concentrations related to sediment Mn concentration. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
Al	n. IP	17	0.361	LSR	+
Al	n. IB	10	0.466	LR	+
Al	s. OB	28	0.376	LSR	+
As	s. OB	28	0.676	LSR	+
Ba	s. CM	20	0.492	LSR	+
Ba	n. IB	10	0.750	LSR	+
Ca	n. CM	11	0.600	LR	–
Co	n. RM	11	0.447	LSR	+
Co	n. IB	10	0.532	LR	+
Co	c. OB	22	0.385	LSR	+
Cr	s. IP	60	0.407	LSR	+
Cr	s. CM	20	0.564	LSR	+
Cr	c. OB	22	0.475	LR	+
Fe	n. RM	11	0.664	LR	+
Fe	s. IP	60	0.614	LSR	+
Fe	n. IP	17	0.626	LSR	+
Fe	s. CM	20	0.764	LR	+
Fe	s.IB	83	0.593	LR	+
Fe	n. IB	10	0.694	LR	+
Fe	s. OB	28	0.647	LR	+
Fe	n. OB	25	0.336	LSR	+
Mo	RM	38	0.517	LSR	+
Mo	n. IB	10	0.629	LR	+
Mo	s. OB	28	0.411	LR	+
Mo	c. OB	22	0.440	LR	+
Ni	n. RM	11	0.549	LSR	+
P	n. IB	10	0.768	LSR	+
Pb	n. IB	10	0.717	LR	+
Sr	n. CM	11	0.413	LSR	–
Zn	n. RM	11	0.495	LSR	+
Zn	s. OB	28	0.657	LSR	+

Manganese oxides, like Fe oxides, are known to bind other metals and may enhance the accumulation of these metals in the sediments (Lee, 1975; Jenne and Luoma, 1968). The smaller number of significant regressions with Mn as the independent variable suggests that either Fe is more effective at binding and

accumulating metals in B.C. or it is a more significant variable of the general bedrock geology of B.C.

All significant regressions involving sediment Mn concentration were positive except Ca and Sr, both of which were in the northern Cascade Mountains sub-region. These were also the only variables to show significant results from the northern Cascade Mountains. Iron showed significant relationships with Mn in the same eight sub-regions as Mn showed with Fe (Table 7b).

Molybdenum showed significant regressions in four sub-regions with the strongest relationship in the northern Insular Belt (R^2 = 0.694). Aluminum, Co, and Cr showed significant regressions in three sub-regions each with the strongest relationships in the northern Insular Belt (R^2 =0.466, 0.532) and southern Cascade Mountains (R^2 = 0.564), respectively.

4.5.7 Lake surface area

The results of significant regression analyses on sediment variable concentration as a function of lake surface area are listed in Table 9. Graphical representations of these results are listed in Appendix 11.

All metallic sediment variable concentrations which showed some relationship with surface area increased with surface area except

Table 9: Sediment variable concentrations related to lake surface area. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
C (inorganic)	n. IB	10	0.587	LSR	+
C (organic)	s. CM	19	0.665	ER	–
C (organic)	n. IB	10	0.827	LR	–
C (total)	s. CM	20	0.589	ER	–
C (total)	n. RM	11	0.451	LR	–
C (total)	n. IB	10	0.824	LR	–
Ca	s. RM	27	0.421	LR	+
Cu	n. IP	17	0.331	LR	–
Cu	n. IB	10	0.378	LSR	+
Cr	n. IB	10	0.331	LSR	+
Mg	CM	31	0.328	LR	+
Mg	n. IB	10	0.378	LSR	+
Mo	n. CM	11	0.915	LSR	+
N (Kjeldahl)	CM	31	0.411	LR	–
N (Kjeldahl)	n. RM	11	0.497	LR	–
Ni	n. CM	11	0.429	LSR	+
Ni	n. IB	10	0.433	LSR	+
Pb	n. CM	11	0.564	LSR	+
Ti	CM	18	0.379	LR	+
V	s. CM	16	0.490	LR	+
Volatiles	s. CM	20	0.669	ER	–
Volatiles	n. IB	10	0.729	LR	–

Cu in the northern Interior Plateau sub-region. The strongest was with Mo in the northern Cascade Mountains sub-region (R^2 = 0.915). Organic C and Kjeldahl N decreased with surface area and the strongest regression was with organic C in the northern Insular Belt (R^2 = 0.827). This decreasing trend may have been caused by the fact that organic particles are generally larger than the particles which metals associate with and tend to settle out in shallower areas of the lake as currents decrease with depth. In addition there will also be more organic material in the more productive inshore areas in the form of decaying phytoplankton and littoral vegetation. If it is

assumed that mean depth increases with surface area then it is reasonable to expect a decrease in organic C with increasing surface area, as well as mean depth and volume. Total C was largely composed of organic C and, as a result, showed a decreasing trend as did volatiles.

4.5.8 Mean lake depth

Significant regressions involving mean lake depth as the independent variable are listed in Table 10 and illustrated in Appendix 12.

All metallic variables, except B in the southern Rocky Mountains sub-region, showed positive regressions with mean depth. The strongest relationship was with Se in the central Omineca Belt (R^2 = 0.721). The macronurients P, N, and S all showed negative regressions with mean depth. The strongest relationship was with N in the northern Insular Belt (R^2 = 0.578). Organic C also showed negative regressions in the northern Insular Belt and the southern Interior Plateau sub-regions and, therefore, so did total C and volatiles for the same sub-regions. Volatiles also decreased with mean depth in the southern Rocky Mountains sub-region, although this trend was not seen with organic C and total C for this sub-region.

Table 10: Sediment variable concentrations related to mean depth. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
B	s. RM	12	0.411	LR	–
Ba	n. CM	11	0.474	LR	+
C (inorganic)	n. CM	11	0.401	LSR	+
C (inorganic)	n. IB	10	0.352	LSR	+
C (organic)	s. IP	29	0.422	LR	–
C (organic)	n. IB	10	0.382	LR	–
C (total)	s. IP	60	0.350	LR	–
C (total)	n. IB	10	0.382	LR	–
Cd	c. OB	22	0.707	LSR	+
Co	c. OB	22	0.571	LSR	+
Mg	s. IB	82	0.319	LSR	+
Mn	n. OB	24	0.685	LSR	+
N (Kjeldahl)	s. OB	29	0.305	LR	–
N (Kjeldahl)	n. IB	10	0.578	LR	–
P	n. IB	10	0.359	LSR	–
S	CM	13	0.341	LR	–
Se	c. OB	22	0.721	LSR	+
Ti	c. IP	38	0.301	LSR	+
Volatiles	s. IP	60	0.360	LR	–
Volatiles	s. RM	27	0.314	ER	–
Volatiles	n. IB	10	0.430	LR	–

4.5.9 Lake volume

The results of significant regressions with lake volume as the independent variable are listed in Table 11 and illustrated in Appendix 13.

All metallic variables showing significant regressions with lake volume were positive. The strongest relationship was with Mg in the northern Insular Belt (R^2 = 0.809). Sediment pH also showed a positive relationship with lake volume in the southern Insular Belt (R^2 = 0.328). Organic C decreased in the southern Cascade Mountains

Table 11: Sediment variable concentrations related to lake volume. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
C (inorganic)	n. IB	10	0.647	LSR	+
C (inorganic)	n. CM	11	0.687	LSR	+
C (organic)	s. CM	19	0.357	LR	–
C (organic)	n. IB	10	0.916	LR	–
C (total)	s. CM	19	0.330	ER	–
C (total)	n. IB	10	0.913	LR	–
Ca	s. RM	27	0.332	LR	+
Co	c. OB	22	0.360	LSR	+
Cu	AP	19	0.473	LSR	+
Cu	n. IB	10	0.751	LSR	+
Mg	n. IB	10	0.809	LSR	+
Mn	n. OB	24	0.709	LSR	+
N (Kjeldahl)	s. CM	20	0.417	ER	–
N (Kjeldahl)	n. IB	10	0.796	LR	–
Se	c. OB	22	0.505	LSR	+
V	CM	18	0.505	LR	+
Volatiles	s. CM	20	0.409	ER	–
Volatiles	n. IB	10	0.856	LR	–
pH (sediment)	s. IB	20	0.328	LSR	+

and the northern Insular Belt sub-regions, the latter showing the stronger relationship (R^2 = 0.916). Total C, volatiles and N also decreased in these sub-regions with the stronger regressions in the northern Insular Belt.

4.5.9 Sampling depth

Results showing significant regressions with depth sampled as the independent variable are listed in Table 12 and illustrated in Appendix 14.

Table 12: Sediment variable concentrations related to depth sampled. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
As	CB	73	0.379	LSR	+
Ba	n. CM	11	0.662	LSR	+
Ba	n. RM	11	0.385	LR	–
C (organic)	n. OB	24	0.496	LR	–
C (organic)	n. IB	10	0.464	LSR	–
C (total)	n. IB	10	0.463	LSR	–
Co	c. OB	21	0.451	LSR	+
Cr	c. OB	21	0.360	LSR	+
Cu	n. IB	10	0.463	ER	+
Mn	s. IB	74	0.490	ER	+
Mn	AP	20	0.319	LSR	+
Mo	c. OB	21	0.322	LSR	+
Kjeldahl N	n. OB	24	0.305	LSR	–
Kjeldahl N	n. IB	10	0.597	LSR	–
Ni	n. IB	10	0.408	ER	+
Pb	c. OB	21	0.361	LSR	+
V	n. OB	20	0.328	LSR	–
Volatiles	n. IB	10	0.460	LSR	–

All metallic variables showing significant regressions with sample depth were positive except Ba in the northern Rocky Mountains sub-region. The strongest regression was with Ba in the northern Cascade Mountains (R^2 = 0.662). Currents within lakes decrease with depth allowing the smaller particles to settle out (Delfino *et al.*, 1969). Smaller particles have a higher surface area to volume ratio and, therefore, proportionally more binding sites than the larger particles and it is reasonable to expect an inverse relationship between particle size and sediment metal concentration. Sediment particle size distribution may also be altered seasonally by changes in currents within the lake and this may influence sampling results at various times of the year.

Organic C decreased in the northern Omineca Belt and the northern Insular Belt. Total C and volatiles showed significant negative regressions in the northern Insular Belt data only and this suggests that inorganic C may be more significant in the total C of the northern Omineca Belt. Nitrogen showed negative regressions in the northern Omineca Belt and northern Insular Belt sub-regions as well. These observations do not all agree with results reported by Rohlich (1969) who found N, P and Fe levels to increase with sample depth.

4.5.10 Watershed size

The results of significant regressions of sediment variables as a function of watershed size are listed in Table 13 and illustrated in Appendix 15

All significant regressions between metallic sediment variables and watershed size were positive. Molybdenum showed the strongest regression in the northern Cascade Mountains sub-region with a R^2 value of 0.876. Phosphorus showed a negative regression in the southern Rocky Mountains. Nitrogen showed a negative relationship in the southern Cascade Mountains and southern Rocky Mountains sub-regions, and in the Alberta Plateau region. Organic C, total C, and volatiles showed negative regressions with watershed size in the southern Cascade Mountains sub-region and the Alberta Plateau region. Volatiles were also negatively related to watershed size in the southern Rocky Mountains sub-region.

Table 13: Sediment variable concentrations related to watershed size. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
C (organic)	AP	21	0.438	LSR	–
C (organic)	s. CM	19	0.482	LR	–
C (total)	AP	21	0.433	LSR	–
C (total)	s. CM	20	0.485	LR	–
Ca	s. RM	27	0.424	LSR	+
Mg	s. RM	27	0.548	LSR	+
Mo	n. CM	11	0.876	LSR	+
Kjeldahl N	s. CM	20	0.516	LR	–
Kjeldahl N	AP	21	0.495	LSR	–
Kjeldahl N	s. RM	27	0.526	ER	–
Ni	n. CM	11	0.524	LSR	+
P	s. RM	27	0.400	ER	–
Pb	n. RM	11	0.697	LSR	+
Ti	CM	18	0.372	LR	+
Volatiles	s. CM	20	0.485	LR	–
Volatiles	AP	21	0.510	LSR	+
Volatiles	s. RM	27	0.484	ER	–

4.5.11 Runoff

Sediment variables showing significant regressions with runoff are listed Table 14 and illustrated in Appendix 16.

Aluminum, Cr, Ti, and V increased with increasing runoff with V in the northern Omineca Belt showing the strongest relationship. Arsenic, B, Co, S, and Se showed negative relationships with increasing runoff with Se in the northern Rocky Mountains showing the strongest regression (R^2 = 0.745). Sediment pH showed evidence of decreasing with runoff (R^2 = 0.307) in the Interior Plateau region.

Table 14: Sediment variable concentrations related to runoff. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
Al	c. OB	22	0.363	LSR	+
Al	s. IB	82	0.353	LSR	+
As	n. CM	11	0.605	LSR	–
B	s. RM	12	0.714	LR	–
Co	n. RM	11	0.519	LR	–
Cr	n. CM	11	0.410	LR	+
S	s. IB	53	0.370	LR	–
Se	n. RM	11	0.745	LR	–
Ti	n. OB	19	0.315	LSR	+
V	c. OB	10	0.492	LSR	+
V	n. OB	20	0.566	ER	+
pH (sediment)	IP	17	0.307	LR	–

4.5.12 Lake altitude

The significant results of regressions using lake altitude as the independent variable are listed in Table 15 and illustrated in Appendix 17.

Aluminum, As, Sn, and Zn showed positive regressions with altitude with Sn showing the strongest relationship ($R^2 = 0.615$). Strontium showed a positive regression in the southern Cascade Mountains sub-region but showed a significant negative regression ($R^2 = 0.606$) in the southern Rocky Mountains sub-region. Boron, inorganic C, Ca, Pb, and Se also showed negative regressions with increasing altitudes.

Sediments consist of five basic variables: amorphous minerals (those which are readily available), non-digestible (in acid) primary

and secondary crystalline minerals (those which are not readily available), organic material, H_2O, and silica. In the analysis of sediments it is the amorphous minerals and the organic content which are of interest. Water is removed from the sample in the drying process; however, the non-digestible mineral and silica content remain. Removal of these two variables may show the existance of stronger relationships from regression analysis (McKean, pers. com., 1992).

Table 15: Sediment variable concentrations related to altitude. Regression models used were least squares regression (LSR), exponential regression (ER), and logarithmic regression (LR). Slopes are listed as positive (+) or negative (–).

Sediment Variable	Sub-region	"n"	R^2	Regression Model	Slope
Al	n. OB	25	0.406	LSR	+
As	n. RM	11	0.314	LSR	+
B	s. RM	12	0.514	LR	–
C (inorganic)	n. IB	10	0.397	LSR	–
Ca	s. RM	27	0.386	LSR	–
Pb	n. RM	11	0.356	LR	–
Se	n. RM	11	0.502	LSR	–
Sn	s. CM	20	0.615	LR	+
Sr	s. RM	27	0.606	LSR	–
Sr	s. CM	20	0.370	LSR	+
Zn	s. RM	27	0.358	ER	+
Zn	s. CM	20	0.317	LSR	+

Sediment metal levels have been shown to be inversely related to sediment particle size (McDuffie *et al.*, 1976; Delisle *et al.*, 1975; Perhac, 1974) while organic C has been shown to be positively correlated with particle size (Norton, 1968) Finer sediments tend to settle at greater depths and the depth at which some elements

are found may be indicative of the particles they associate with (Delfino *et al.*, 1969). Particle sizes were not measured in the samples reported here and it would be desirable to collect this information in future work. It may be possible for sediment particle size to be used as an indicator of which sediment variables are likely to accumulate at a given site within a particular lake.

Lakes need to be examined individually to determine changes to the sediment composition over time. Differences within each watershed, such as inflowing streams and the bedrock geology of the immediate area, will alter sediment variable concentrations from lake to lake.

5.0 CONCLUSIONS

The differences seen in mean sediment variable concentrations between tectonic regions suggest that separation by tectonic region is valid. The majority of sub-regions showed significant differences within tectonic regions indicating further designation is required. The Rocky Mountains tectonic region is the exception and it may be possible to pool data from both the northern and southern sub-regions. Northern sub-regions showed higher mean concentrations than both southern and central sub-regions and this result may have beendue to the comparatively smaller sample sizes in the northern sub-regions.

In comparing sub-region mean variable concentrations, northern sub-regions showed higher mean variable concentrations for more variables than central or southern sub-regions. Aluminum, Ca, Mg, and Pb showed significant relationships with eight of the 13 independent variables measured in at least one sub-region each. Vanadium, Kjeldahl N, and volatiles showed significant relationships with seven of the independent variables measured in at least one sub-region each. Iron was the independent variable which appeared to have the most influence on sediment variables. Iron showed significant relationships with 18 different sediment variables 58 times. Beryllium showed no evidence of a relationship with any of the independent variables. This may have been caused by the majority of samples containing less than the minimal detectable

concentrations of Be which was then recorded as 1 μg/g in our data base. Carbon, N, and S levels, and volatiles showed relationships with lake size (area, mean depth, volume), pH (sediment, lake), sample depth, watershed size, runoff, and organic C but not with sediment Fe, sediment Mn, or sediment S concentrations. Sediment organic C, sediment total C, and sediment N levels showed evidence of decreasing trends with increasing lake size. Volatiles showed evidence of strong, positive relationships with organic C in all sub-regions.

6.0 LITERATURE CITED

Allen, R.J., E.M. Cameron, I.R. Jonasson. 1974. Proc. First Int. Mercury Congress, Barcelona, Spain. pp. 93-120.

Balkwill, J.A. 1991. Limnological and fisheries surveys of lakes and ponds in British Columbia , 1915-1990. B.C. Ministry of Environment, Fisheries Technical Circular No. 99.

Ballinger, D.G. and G.D. McKee. 1971. Chemical characterization of bottom sediments. *Journal WPCF*. 43 (2): 216-227.

Brooks Rand, Ltd. November 16, 1990. Ultra-clean sampling protocols: A brief overview of sampling techniques in determination of Hg speciation in Environmental Samples Seminar. Seattle, WA.

Chapman, P.M., L. Churchland, P. Thompson, and E. Michnowsky. 1978. Tubificid oligochaetes as monitors of heavy metal pollution. Fifth Aquatic Toxicity Workshop. Hamilton, Ont.

Delfino, J.J., G.C. Bortleson, and G.F. Lee. 1969. Distribution of Mn, Fe, P, Mg, K, Na, and Ca in the surface sediments of Lake Mendota, Wisconsin. *Environ. Sci. Tech.* 3: 1189-1192.

Delisle, C.E., B. Hummel, and K.G. Wheeland. 1975. Uptake of heavy metals from sediment by fish. In Symposium Proc. International Conference in Heavy Metals in the Environment, Toronto, Vol II, Part 2, pp. 821-827.

Demayo, A., A.R. Davis, and M.A. Forbes. 1978. Forms of metals in the water. Fisheries and Environment Canada. Scientific Series No. 87. Inland Waters Directorate, Water Quality Branch, Ottawa, Can.

Farley, A.L. 1979. Atlas of British Columbia. People, environment, and resource use. University of British Columbia Press. Vancouver, B.C.

Florence, T.M. and G. E. Batley. 1977. Determination of the chemical forms of trace metals in natural waters, with special reference to copper, lead, cadmium, and zinc. *Talanta*. 24: 151-158.

Jenne, E.A. and S.N. Luoma. 1977. Forms of trace elements in soils, sediments, and associated waters: an overview of their determination and biological availability. *In* Proc. of the Symposium of Biological Implications of Metals in the Environment. Energy Res. Devel. Admin. Symp. Ser. 42, pp. 110-143.

Lee, G.F. 1975. Role of hydrous metal oxides in the transport of heavy metals in the environment. *Prog. Water Technol.* 17: 137-147.

McDuffie, B.I., G.J. Holland, and R.D. Tiberio. 1976. Trace metals in rivers - speciation, transport, and role of sediments. *In* Proc. of University of Missouri 10th Annual Conference of Trace Substances in Environmental Health, edited by Delbert D. Hemphill, pp. 85-95.

McKean, C.J.P. 1992. Province of British Columbia, Ministry of Environment, Lands, and Parks, Victoria, B.C.

McQuaker, N.R. 1989. A laboratory manual for the chemical analysis of waters, wastewaters, sediments and biological materials. Waste Management Branch, Ministry of Environment and Parks, Province of British Columbia.

Norton, J.L. 1968. The distribution, character, and abundance of sediments in a 3,000 acre impoundment in Payne County, Oklahoma. M.S. Thesis. Oklahoma State University.

Patrick, F.M.and M.W. Loutit. 1977. Passage of metals to freshwater fish from their food. *Water Res.* 12: 395-398.

Perhac, R.M. 1974. Water transport of heavy metals in soiution and by different sizes of particulate solids. University of Tennessee Water Resources Centre, Research Report No. 32 NTIS PB Rep. 232 427.

Phillips, D.J.H. 1977. The use of biological indicator organisms to monitor trace metal pollution in marine and estuarine environments - A review. *Environ. Pollut.* 13: 281-317.

Rieberger, K.J. 1992. Metal concentrations in fish tissue from uncontaminated B.C. lakes. Water Quality Section, Water Quality Branch, Ministry of Environment, Lands, and Parks, Province of British Columbia.

Rohlich, G.A. 1963. *In* "Limnology in North America", D.G. Frey, Ed. University of Wisconsin Press, Madison, Wisconsin. 734 pp.

Salomons, W., N.M. de Rooij, H. Kerdick, and J. Bril. 1987. Sediment as a source for contaminants. *Hydrobiologia*. 149: 13-30.

Self, R.P. 1975. Petrologic changes in fluvial sediments in the Rio Nautla basin, Veracruz, Mexico. *J. Sed. Pet.* 45: 140-149.

Stokes, P.M. and A.M. Szokalo. 1977. Sediment-water interchange of copper and nickel in experimental aquaria. In Proc. of the 12th Canadian Symposium om Water Pollution Research in Canada, pp. 157-177.

Swain, L.G. 1987. Second report on chemical sensitivity of B.C. lakes to acidic input. Ministry of Environment and Parks, Province of British Columbia.

Swain, L.G. and D.G. Walton. 1992. Report on the 1991 discharge monitoring program. Water Quality Branch, British Columbia Ministry of Environment, Lands, and Parks, Province of British Columbia.

Welsh, P. and P. Denny. 1976. Water plants and the recycling of heavy metals in an English lake. In Proc. of University of Missouri 10th Annual Conference on Trace Substances in Environmental Health, edited by Delbert D. Hemphill, pp. 217-223.

Wetzel, R.G. 1983. Limnology. Saunders College Publishing. Philadelphia, PA.

APPENDIX 1

Mean Sediment Variable Concentrations By Tectonic Region

Table 1: Mean sediment variable concentrations for the Insular Belt tectonic region.

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	93	20.38	10.40
As (µg/g DW)	93	47.67	144.1
B (µg/g DW)	36	20.39	74.20
Ba (µg/g DW)	92	84.68	58.06
Be (µg/g DW)	36	1.00	0.00
Ca (mg/g DW)	93	6.68	2.45
Cd (µg/g DW)	93	1.16	0.84
Co (µg/g DW)	93	23.78	47.41
Cr (µg/g DW)	93	363.6	324.5
Cu (µg/g DW)	92	578.8	496.3
Fe (mg/g DW)	93	327.1	292.6
Hg (µg/g DW)	92	0.19	0.11
Mg (mg/g DW)	93	48.13	74.71
Mn (µg/g DW)	93	2380	7432
Mo (µg/g DW)	93	8.66	7.97
Ni (µg/g DW)	93	22.16	12.29
P (µg/g DW)	93	1324	646.6
Pb (µg/g DW)	93	37.77	40.19
S (µg/g DW)	58	3703	3642
Se (µg/g DW)	93	14.45	7.72
Sn (µg/g DW)	73	9.82	14.22
Sr (µg/g DW)	93	35.63	30.39
Ti (µg/g DW)	36	389.2	300.1
V (µg/g DW)	55	56.73	28.02
Zn (µg/g DW)	93	71.26	32.42
Inorganic C (mg/g DW)	93	167.6	75.79
Organic C (mg/g DW)	93	3.34	2.17
Total C (mg/g DW)	93	170.9	74.63
Kjeldahl N (mg/g DW)	93	11.28	5.84
Volatiles (%)	93	40.92	13.78

Table 2: Mean sediment variable concentrations for the Cascade Mountains tectonic region.

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	31	19.62	10.02
As (µg/g DW)	31	22.48	16.66
B (µg/g DW)	18	2.83	7.78
Ba (µg/g DW)	31	147.9	115.7
Be (µg/g DW)	18	1.00	0.00
Ca (mg/g DW)	31	5.27	2.84
Cd (µg/g DW)	31	1.03	0.18
Co (µg/g DW)	31	19.06	10.08
Cr (µg/g DW)	31	248.7	161.6
Cu (µg/g DW)	31	539.4	350.5
Fe (mg/g DW)	31	284.9	188.0
Hg (µg/g DW)	30	0.17	0.14
Mg (mg/g DW)	31	62.88	51.26
Mn (µg/g DW)	31	523.3	785.7
Mo (µg/g DW)	31	14.03	9.41
Ni (µg/g DW)	31	15.16	8.14
P (µg/g DW)	31	1339	698.4
Pb (µg/g DW)	31	34.26	25.47
S (µg/g DW)	13	1795	1596
Se (µg/g DW)	31	12.94	4.43
Sn (µg/g DW)	31	7.68	4.18
Sr (µg/g DW)	31	37.77	27.30
Ti (µg/g DW)	18	540.4	335.9
V (µg/g DW)	18	41.00	21.38
Zn (µg/g DW)	31	82.35	82.06
Inorganic C (mg/g DW)	30	133.9	83.18
Organic C (mg/g DW)	30	19.33	90.80
Total C (mg/g DW)	31	139.26	82.21
Kjeldahl N (mg/g DW)	31	7.87	5.30
Volatiles (%)	31	32.51	19.44

Table 3: Mean sediment variable concentrations for the Interior Plateau tectonic region.

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	131	11.63	7.15
As (µg/g DW)	131	42.38	151.4
B (µg/g DW)	76	20.50	53.35
Ba (µg/g DW)	131	200.2	275.8
Be (µg/g DW)	76	1.09	0.52
Ca (mg/g DW)	131	38.29	56.92
Cd (µg/g DW)	131	1.32	1.38
Co (µg/g DW)	131	15.66	10.29
Cr (µg/g DW)	130	443.4	450.6
Cu (µg/g DW)	131	450.8	311.0
Fe (mg/g DW)	131	271.3	203.4
Hg (µg/g DW)	109	0.16	0.14
Mg (mg/g DW)	131	85.90	106.5
Mn (µg/g DW)	131	1835	6903
Mo (µg/g DW)	131	16.07	14.40
Ni (µg/g DW)	131	45.84	77.35
P (µg/g DW)	131	1475	1019
Pb (µg/g DW)	131	26.72	23.48
S (µg/g DW)	55	5875	4633
Se (µg/g DW)	131	15.48	8.55
Sn (µg/g DW)	122	9.80	6.02
Sr (µg/g DW)	131	181.3	292.2
Ti (µg/g DW)	76	232.3	283.6
V (µg/g DW)	85	35.46	20.14
Zn (µg/g DW)	131	80.45	52.48
Inorganic C (mg/g DW)	125	124.4	95.82
Organic C (mg/g DW)	125	12.96	26.93
Total C (mg/g DW)	129	139.0	98.39
Kjeldahl N (mg/g DW)	115	11.83	8.73
Volatiles (%)	131	30.40	19.44

Table 4: Mean sediment variable concentrations for the Omineca Belt tectonic region.

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	76	14.58	8.96
As (µg/g DW)	76	25.99	19.27
B (µg/g DW)	53	14.91	45.95
Ba (µg/g DW)	76	221.0	277.6
Be (µg/g DW)	76	1.08	0.38
Ca (mg/g DW)	76	37.19	73.61
Cd (µg/g DW)	76	1.43	1.56
Co (µg/g DW)	76	18.89	12.67
Cr (µg/g DW)	76	432.4	349.5
Cu (µg/g DW)	76	543.8	950.2
Fe (mg/g DW)	76	307.5	219.7
Hg (µg/g DW)	73	0.15	0.11
Mg (mg/g DW)	76	75.65	64.41
Mn (µg/g DW)	75	1501	2523
Mo (µg/g DW)	76	16.04	21.94
Ni (µg/g DW)	76	31.45	20.03
P (µg/g DW)	76	1397	1221
Pb (µg/g DW)	76	52.71	88.94
S (µg/g DW)	22	2526	2237
Se (µg/g DW)	76	15.17	10.72
Sn (µg/g DW)	74	10.27	7.19
Sr (µg/g DW)	74	95.11	130.2
Ti (µg/g DW)	54	434.2	804.3
V (µg/g DW)	55	39.04	37.55
Zn (µg/g DW)	75	104.0	96.65
Inorganic C (mg/g DW)	74	89.69	95.14
Organic C (mg/g DW)	74	11.67	21.37
Total C (mg/g DW)	75	104.0	96.02
Kjeldahl N (mg/g DW)	76	8.69	8.93
Volatiles (%)	74	23.31	19.11

Table 5: Mean sediment variable concentrations for the Rocky Mountains tectonic region.

Sediment variable	"n"	Mean	Standard deviation
Al (mg/g DW)	38	9.94	5.19
As (µg/g DW)	38	17.16	10.66
B (µg/g DW)	18	3.83	5.51
Ba (µg/g DW)	38	143.1	133.8
Be (µg/g DW)	18	1.00	0.00
Ca (mg/g DW)	38	79.69	81.35
Cd (µg/g DW)	38	1.16	0.55
Co (µg/g DW)	38	13.50	6.60
Cr (µg/g DW)	38	254.2	153.6
Cu (µg/g DW)	38	208.7	132.3
Fe (mg/g DW)	38	250.3	172.9
Hg (µg/g DW)	38	0.10	0.08
Mg (mg/g DW)	38	154.8	135.63
Mn (µg/g DW)	38	878.8	1514
Mo (µg/g DW)	38	8.76	7.39
Ni (µg/g DW)	38	26.79	22.75
P (µg/g DW)	38	1045	1013
Pb (µg/g DW)	38	35.68	18.04
S (µg/g DW)	20	4055	2925
Se (µg/g DW)	38	214.3	5.32
Sn (µg/g DW)	36	10.69	5.68
Sr (µg/g DW)	38	109.6	105.3
Ti (µg/g DW)	18	23.22	53.72
V (µg/g DW)	20	11.85	8.25
Zn (µg/g DW)	38	102.6	95.65
Inorganic C (mg/g DW)	38	78.95	73.87
Organic C (mg/g DW)	38	28.01	31.96
Total C (mg/g DW)	38	105.5	64.59
Kjeldahl N (mg/g DW)	38	7.13	6.05
Volatiles (%)	38	19.38	15.29

APPENDIX 2

Mean Sediment Variable Concentrations For Individual Lakes

Lakes are arranged in alphabetical order by tectonic sub-region. The tectonic regions are arranged in a west to east order starting with the Insular Belt and ending with the Alberta Plateau. Sub-regions are arranged in a south to north order. Data in this appendix are presented with the mapsheet number (National Topographic Series) of each lake to aid in location and identification. Maps are available from the Canada Map Office, Department of Energy, Mines, and Resources, Ottawa. Variable abbreviations and units of measure (in dry-weight) are listed in Table 1.

Table 1: Abbreviations and units of measure for sediment variables listed in Appendix 2.

Variable	Abbreviation	Units
Aluminum	AL	mg/g
Arsenic	AS	µg/g
Boron	B	µg/g
Barium	BA	µg/g
Berylium	BE	µg/g
Calcium	CA	mg/g
Cadmium	CD	µg/g
Cobalt	CO	µg/g
Chromium	CR	µg/g
Copper	CU	µg/g
Iron	FE	mg/g
Mercury	HG	µg/g
Magnesium	MG	mg/g
Manganese	MN	µg/g
Molybdenum	MO	µg/g
Nickel	NI	µg/g
Phosphorus	P	µg/g
Lead	PB	µg/g
Sulfur	S	µg/g
Selenium	SE	µg/g
Tin	SN	µg/g
Strontium	SR	µg/g
Titanium	TI	µg/g
Vanadium	V	µg/g
Zinc	ZN	µg/g
Organic Carbon	OC	mg/g
Inorganic Carbon	INC	mg/g
Total Carbon	TC	mg/g
Kjeldahl Nitrogen	KJN	mg/g
Volatiles	VOL	%

Battleship Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	26.50	
AS	1	25.00	
B	0		
BA	1	40.00	
BE	0		
CA	1	3.01	
CD	1	1.00	
CO	1	10.00	
CR	1	180.00	
CU	1	300.00	
FE	1	74.00	
HG	1	0.17	
MG	1	13.30	
MN	1	58.00	
MO	1	1.00	
NI	1	20.00	
P	1	1100.00	
PB	1	10.00	
S	1	3080.00	
SE	1	10.00	
SN	0		
SR	1	17.00	
TI	0		
V	0		
ZN	1	29.00	
OC	1	247.00	
INC	1	1.80	
TC	1	249.00	
KJN	1	19.80	
VOL	1	59.10	

Beaver Lake
Vancouver Island
Mapsheet: 92 C16

Variable	N	Mean	Std Dev
AL	1	9.38	
AS	1	24.00	
B	1	1.00	
BA	1	33.00	
BE	1	1.00	
CA	1	5.40	
CD	1	1.00	
CO	1	10.00	
CR	1	300.00	
CU	1	660.00	
FE	1	119.00	
HG	1	0.11	
MG	1	33.00	
MN	1	281.00	
MO	1	7.00	
NI	1	16.00	
P	1	930.00	
PB	1	25.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	19.00	
TI	1	582.00	
V	1	59.00	
ZN	1	57.00	
OC	1	218.00	
INC	1	0.80	
TC	1	219.00	
KJN	1	17.10	
VOL	1	50.10	

Beck Lake
Vancouver Island
Mapsheet: 92 G04

Variable	N	Mean	Std Dev
AL	1	10.00	
AS	1	23.00	
B	1	31.00	
BA	1	76.00	
BE	1	1.00	
CA	1	15.80	
CD	1	1.00	
CO	1	10.00	
CR	1	410.00	
CU	1	310.00	
FE	1	179.00	
HG	1	0.19	
MG	1	30.10	
MN	1	214.00	
MO	1	13.00	
NI	1	21.00	
P	1	796.00	
PB	1	31.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	198.00	
TI	1	183.00	
V	1	51.00	
ZN	1	69.00	
OC	1	247.00	
INC	1	1.30	
TC	1	248.00	
KJN	1	16.80	
VOL	1	54.90	

Blackburn Lake
Vancouver Island
Mapsheet: 92 B14

Variable	N	Mean	Std Dev
AL	1	11.10	
AS	1	3.00	
B	0		
BA	1	52.00	
BE	0		
CA	1	2.89	
CD	1	1.00	
CO	1	10.00	
CR	1	280.00	
CU	1	190.00	
FE	1	204.00	
HG	1	0.05	
MG	1	47.70	
MN	1	278.00	
MO	1	6.00	
NI	1	20.00	
P	1	465.00	
PB	1	12.00	
S	1	786.00	
SE	1	10.00	
SN	1	5.00	
SR	1	23.00	
TI	0		
V	0		
ZN	1	44.00	
OC	1	28.00	
INC	1	1.80	
TC	1	29.00	
KJN	1	1.80	
VOL	1	7.80	

Blackjack Lake
Vancouver Island
Mapsheet: 92 F01

Variable	N	Mean	Std Dev
AL	1	11.00	
AS	1	27.00	
B	1	441.00	
BA	1	56.00	
BE	1	1.00	
CA	1	5.60	
CD	1	3.00	
CO	1	30.00	
CR	1	2420.00	
CU	1	580.00	
FE	1	470.00	
HG	1	0.20	
MG	1	13.20	
MN	1	596.00	
MO	1	30.00	
NI	1	18.00	
P	1	3220.00	
PB	1	34.00	
S	0		
SE	1	40.00	
SN	1	11.00	
SR	1	52.00	
TI	1	9.00	
V	1	101.00	
ZN	1	63.00	
OC	1	211.00	
INC	1	0.50	
TC	1	211.00	
KJN	1	11.70	
VOL	1	51.10	

Bullocks Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	19.90	
AS	1	9.00	
B	0		
BA	1	151.00	
BE	0		
CA	1	10.90	
CD	1	1.00	
CO	1	16.00	
CR	1	300.00	
CU	1	570.00	
FE	1	260.00	
HG	1	0.33	
MG	1	27.60	
MN	1	390.00	
MO	1	6.00	
NI	1	37.00	
P	1	1390.00	
PB	1	71.00	
S	1	20000.00	
SE	1	18.00	
SN	1	8.00	
SR	1	94.00	
TI	0		
V	0		
ZN	1	157.00	
OC	1	192.00	
INC	1	7.00	
TC	1	199.00	
KJN	1	18.40	
VOL	1	43.80	

Brannen Lake
Vancouver Island
Mapsheet: 92 F01

Variable	N	Mean	Std Dev
AL	1	26.60	
AS	1	26.00	
B	1	48.00	
BA	1	91.00	
BE	1	1.00	
CA	1	4.30	
CD	1	1.00	
CO	1	33.00	
CR	1	0.00	
CU	1	730.00	
FE	1	599.00	
HG	1	0.11	
MG	1	89.80	
MN	1	607.00	
MO	1	17.00	
NI	1	46.00	
P	1	990.00	
PB	1	47.00	
S	0		
SE	1	26.00	
SN	1	5.00	
SR	1	24.00	
TI	1	594.00	
V	1	97.00	
ZN	1	95.00	
OC	1	31.00	
INC	1	1.50	
TC	1	33.00	
KJN	1	2.70	
VOL	1	13.30	

Cameron Lake
Vancouver Island
Mapsheet: 92 F07

Variable	N	Mean	Std Dev
AL	1	33.80	
AS	1	68.00	
B	0		
BA	1	193.00	
BE	0		
CA	1	8.99	
CD	1	1.00	
CO	1	46.00	
CR	1	1110.00	
CU	1	1320.00	
FE	1	206.00	
HG	1	0.24	
MG	1	198.00	
MN	1	7790.00	
MO	1	23.00	
NI	1	61.00	
P	1	1120.00	
PB	1	41.00	
S	1	876.00	
SE	1	32.00	
SN	1	11.00	
SR	1	19.00	
TI	0		
V	0		
ZN	1	97.00	
OC	1	44.00	
INC	1	4.20	
TC	1	48.00	
KJN	1	2.00	
VOL	1	12.20	

Chemainus Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	4.79	
AS	1	1.00	
B	0		
BA	1	31.00	
BE	0		
CA	1	6.56	
CD	1	1.00	
CO	1	10.00	
CR	1	110.00	
CU	1	370.00	
FE	1	34.00	
HG	1	0.09	
MG	1	6.60	
MN	1	52.00	
MO	1	2.00	
NI	1	9.00	
P	1	973.00	
PB	1	10.00	
S	1	5260.00	
SE	1	11.00	
SN	1	5.00	
SR	1	19.00	
TI	0		
V	0		
ZN	1	34.00	
OC	1	207.00	
INC	1	5.10	
TC	1	212.00	
KJN	1	18.50	
VOL	1	43.90	

Chinaman Lake
Vancouver Island
Mapsheet: 92 G04

Variable	N	Mean	Std Dev
AL	1	5.54	
AS	1	25.00	
B	1	1.00	
BA	1	211.00	
BE	1	1.00	
CA	1	9.30	
CD	1	1.00	
CO	1	10.00	
CR	1	180.00	
CU	1	210.00	
FE	1	95.00	
HG	1	0.10	
MG	1	19.40	
MN	1	107.00	
MO	1	3.00	
NI	1	33.00	
P	1	1310.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	34.00	
TI	1	4.00	
V	1	21.00	
ZN	1	110.00	
OC	1	230.00	
INC	1	2.00	
TC	1	232.00	
KJN	1	21.60	
VOL	1	48.70	

Circlet Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	32.20	
AS	1	1300.00	
B	0		
BA	1	71.00	
BE	0		
CA	1	5.01	
CD	1	1.00	
CO	1	70.00	
CR	1	410.00	
CU	1	2670.00	
FE	1	780.00	
HG	1	0.28	
MG	1	91.20	
MN	1	18400.00	
MO	1	3.00	
NI	1	29.00	
P	1	1260.00	
PB	1	10.00	
S	1	1420.00	
SE	1	10.00	
SN	0		
SR	1	12.00	
TI	0		
V	1	72.00	
ZN	1	91.00	
OC	1	73.00	
INC	1	6.10	
TC	1	79.00	
KJN	1	5.00	
VOL	1	24.30	

Cowichan Lake
Vancouver Island
Mapsheet: 92 C16

Variable	N	Mean	Std Dev
AL	1	29.50	
AS	1	30.00	
B	1	16.00	
BA	1	159.00	
BE	1	1.00	
CA	1	6.70	
CD	1	1.00	
CO	1	31.00	
CR	1	690.00	
CU	1	880.00	
FE	1	513.00	
HG	1	0.20	
MG	1	152.00	
MN	1	2480.00	
MO	1	23.00	
NI	1	34.00	
P	1	1380.00	
PB	1	38.00	
S	0		
SE	1	28.00	
SN	1	5.00	
SR	1	28.00	
TI	1	1100.00	
V	1	82.00	
ZN	1	86.00	
OC	1	34.00	
INC	1	1.90	
TC	1	36.00	
KJN	1	2.90	
VOL	1	13.80	

Crest Lake
Vancouver Island
Mapsheet: 92 F13

Variable	N	Mean	Std Dev
AL	2	23.70	1.56
AS	2	2.00	0.00
B	0		
BA	2	25.00	1.41
BE	0		
CA	2	10.24	1.36
CD	2	1.00	0.00
CO	2	33.50	0.71
CR	2	525.00	35.36
CU	2	1450.00	197.99
FE	2	393.50	23.33
HG	2	0.07	0.01
MG	2	127.50	7.78
MN	2	490.50	62.93
MO	2	11.00	1.41
NI	2	33.50	0.71
P	2	783.00	43.84
PB	2	20.50	3.54
S	2	974.00	135.76
SE	2	25.50	0.71
SN	2	12.50	0.71
SR	2	19.50	0.71
TI	0		
V	0		
ZN	2	57.50	3.54
OC	2	133.00	49.50
INC	2	3.30	0.85
TC	2	136.50	48.79
KJN	2	4.80	0.71
VOL	2	28.45	6.72

Croteau Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	31.60	
AS	1	25.00	
B	0		
BA	1	15.00	
BE	0		
CA	1	5.44	
CD	1	1.00	
CO	1	30.00	
CR	1	320.00	
CU	0		
FE	1	390.00	
HG	1	0.18	
MG	1	128.00	
MN	1	374.00	
MO	1	1.00	
NI	1	19.00	
P	1	1860.00	
PB	1	10.00	
S	1	5220.00	
SE	1	10.00	
SN	0		
SR	1	22.00	
TI	0		
V	1	31.00	
ZN	1	57.00	
OC	1	248.00	
INC	1	2.00	
TC	1	250.00	
KJN	1	15.70	
VOL	1	56.90	

Cusheon Lake
Vancouver Island
Mapsheet: 92 B14

Variable	N	Mean	Std Dev
AL	1	19.70	
AS	1	4.00	
B	0		
BA	1	164.00	
BE	0		
CA	1	7.87	
CD	1	1.00	
CO	1	14.00	
CR	1	440.00	
CU	1	480.00	
FE	1	294.00	
HG	1	0.24	
MG	1	49.50	
MN	1	562.00	
MO	1	8.00	
NI	1	42.00	
P	1	1200.00	
PB	1	54.00	
S	1	2600.00	
SE	1	23.00	
SN	1	9.00	
SR	1	60.00	
TI	0		
V	0		
ZN	1	99.00	
OC	1	152.00	
INC	1	3.80	
TC	1	156.00	
KJN	1	6.30	
VOL	1	34.80	

Darkis Lake
Vancouver Island
Mapsheet: 92 F13

Variable	N	Mean	Std Dev
AL	1	36.10	
AS	1	25.00	
B	0		
BA	1	39.00	
BE	0		
CA	1	6.74	
CD	1	1.00	
CO	1	30.00	
CR	1	320.00	
CU	1	740.00	
FE	1	338.00	
HG	1	0.10	
MG	1	64.10	
MN	1	1140.00	
MO	1	2.00	
NI	1	37.00	
P	1	1430.00	
PB	1	16.00	
S	1	2110.00	
SE	1	10.00	
SN	0		
SR	1	25.00	
TI	0		
V	1	86.00	
ZN	1	97.00	
OC	1	131.00	
INC	1	5.60	
TC	1	137.00	
KJN	1	3.10	
VOL	1	33.50	

Darlington Lake
Vancouver Island
Mapsheet: 92 C15

Variable	N	Mean	Std Dev
AL	1	29.30	
AS	1	2.00	
B	0		
BA	1	56.00	
BE	0		
CA	1	9.22	
CD	1	1.00	
CO	1	22.00	
CR	1	420.00	
CU	1	930.00	
FE	1	413.00	
HG	1	0.16	
MG	1	98.60	
MN	1	528.00	
MO	1	11.00	
NI	1	20.00	
P	1	1190.00	
PB	1	27.00	
S	1	1370.00	
SE	1	26.00	
SN	1	16.00	
SR	1	27.00	
TI	0		
V	0		
ZN	1	89.00	
OC	1	131.00	
INC	1	4.80	
TC	1	136.00	
KJN	1	6.60	
VOL	1	32.20	

Dougan Lake
Vancouver Island
Mapsheet: 92 B12

Variable	N	Mean	Std Dev
AL	1	23.80	
AS	1	11.00	
B	0		
BA	1	152.00	
BE	0		
CA	1	7.53	
CD	1	1.00	
CO	1	19.00	
CR	1	1000.00	
CU	1	710.00	
FE	1	377.00	
HG	1	0.14	
MG	1	92.90	
MN	1	541.00	
MO	1	10.00	
NI	1	33.00	
P	1	1730.00	
PB	1	48.00	
S	1	3900.00	
SE	1	23.00	
SN	1	12.00	
SR	1	37.00	
TI	0		
V	0		
ZN	1	103.00	
OC	1	7.00	
INC	1	2.00	
TC	1	9.00	
KJN	1	8.50	
VOL	1	23.50	

Diver Lake
Vancouver Island
Mapsheet: 92 F01

Variable	N	Mean	Std Dev
AL	1	6.10	
AS	1	25.00	
B	1	1.00	
BA	1	45.00	
BE	1	1.00	
CA	1	8.40	
CD	1	1.00	
CO	1	10.00	
CR	1	260.00	
CU	1	280.00	
FE	1	83.00	
HG	0		
MG	1	11.80	
MN	1	257.00	
MO	1	3.00	
NI	1	12.00	
P	1	771.00	
PB	1	228.00	
S	0		
SE	1	10.00	
SN	1	23.00	
SR	1	42.00	
TI	1	206.00	
V	1	56.00	
ZN	1	58.00	
OC	1	248.00	
INC	1	2.80	
TC	1	251.00	
KJN	1	18.00	
VOL	1	52.40	

Douglas Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	18.20	
AS	1	25.00	
B	0		
BA	1	26.00	
BE	0		
CA	1	4.51	
CD	1	1.00	
CO	1	10.00	
CR	1	220.00	
CU	1	510.00	
FE	1	84.00	
HG	1	0.23	
MG	1	7.90	
MN	1	478.00	
MO	1	1.00	
NI	1	14.00	
P	1	830.00	
PB	1	30.00	
S	1	3020.00	
SE	1	10.00	
SN	0		
SR	1	14.00	
TI	0		
V	1	26.00	
ZN	1	29.00	
OC	1	186.00	
INC	1	5.40	
TC	1	191.00	
KJN	1	16.20	
VOL	1	47.90	

Drum Lake #1
Vancouver Island
Mapsheet: 92 F13

Variable	N	Mean	Std Dev
AL	2	31.75	2.05
AS	2	2.00	0.00
B	0		
BA	2	24.50	2.12
BE	0		
CA	2	10.24	0.52
CD	2	1.00	0.00
CO	2	40.00	0.00
CR	2	685.00	91.92
CU	2	1640.00	70.71
FE	2	444.50	13.44
HG	2	0.07	0.01
MG	2	130.00	8.49
MN	2	714.00	8.49
MO	2	13.50	0.71
NI	2	40.50	2.12
P	2	845.50	21.92
PB	2	23.50	2.12
S	2	801.00	94.75
SE	2	26.50	0.71
SN	2	12.00	1.41
SR	2	16.50	0.71
TI	0		
V	0		
ZN	2	61.50	3.54
OC	2	72.00	29.70
INC	2	5.55	4.74
TC	2	77.50	24.75
KJN	2	3.75	1.06
VOL	2	19.75	4.88

Durrance Lake
Vancouver Island
Mapsheet: 92 B11

Variable	N	Mean	Std Dev
AL	1	7.01	
AS	1	25.00	
B	1	1.00	
BA	1	31.00	
BE	1	1.00	
CA	1	14.70	
CD	1	1.00	
CO	1	12.00	
CR	1	180.00	
CU	1	330.00	
FE	1	223.00	
HG	1	0.41	
MG	1	12.50	
MN	1	375.00	
MO	1	7.00	
NI	1	16.00	
P	1	1050.00	
PB	1	48.00	
S	0		
SE	1	14.00	
SN	1	5.00	
SR	1	43.00	
TI	1	217.00	
V	1	44.00	
ZN	1	101.00	
OC	1	300.00	
INC	1	3.80	
TC	1	306.00	
KJN	1	24.00	
VOL	1	65.50	

Drum Lake #2
Vancouver Island
Mapsheet: 92 F13

Variable	N	Mean	Std Dev
AL	2	34.35	0.21
AS	2	1.50	0.71
B	0		
BA	2	32.50	2.12
BE	0		
CA	2	10.50	0.28
CD	2	1.00	0.00
CO	2	48.00	0.00
CR	2	745.00	7.07
CU	2	1755.00	134.35
FE	2	484.00	16.97
HG	2	0.09	0.00
MG	2	140.50	4.95
MN	2	1200.00	226.27
MO	2	15.00	1.41
NI	2	43.50	0.71
P	2	950.00	39.60
PB	2	29.00	2.83
S	2	964.50	135.06
SE	2	30.00	2.83
SN	2	12.00	1.41
SR	2	21.50	0.71
TI	0		
V	0		
ZN	2	71.00	1.41
OC	2	66.50	12.02
INC	2	3.25	0.21
TC	2	69.50	12.02
KJN	2	3.85	0.07
VOL	2	18.65	0.92

Echo Lake
Vancouver Island
Mapsheet: 92 F14

Variable	N	Mean	Std Dev
AL	1	12.40	
AS	1	21.00	
B	0		
BA	1	31.00	
BE	0		
CA	1	4.48	
CD	1	1.00	
CO	1	14.00	
CR	1	250.00	
CU	1	360.00	
FE	1	262.00	
HG	1	0.11	
MG	1	22.40	
MN	1	485.00	
MO	1	6.00	
NI	1	15.00	
P	1	1240.00	
PB	1	52.00	
S	1	2150.00	
SE	1	15.00	
SN	1	5.00	
SR	1	16.00	
TI	0		
V	0		
ZN	1	127.00	
OC	1	127.00	
INC	1	2.10	
TC	1	129.00	
KJN	1	10.40	
VOL	1	31.60	

Elk Lake
Vancouver Island
Mapsheet: 92 B11

Variable	N	Mean	Std Dev
AL	1	15.50	
AS	1	33.00	
B	1	1.00	
BA	1	94.00	
BE	1	1.00	
CA	1	7.10	
CD	1	1.00	
CO	1	10.00	
CR	1	310.00	
CU	1	350.00	
FE	1	220.00	
HG	1	0.18	
MG	1	40.90	
MN	1	306.00	
MO	1	7.00	
NI	1	24.00	
P	1	926.00	
PB	1	56.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	30.00	
TI	1	531.00	
V	1	47.00	
ZN	1	73.00	
OC	1	150.00	
INC	1	4.20	
TC	1	154.00	
KJN	1	15.00	
VOL	1	34.40	

Fairy Lake
Vancouver Island
Mapsheet: 92 C09

Variable	N	Mean	Std Dev
AL	1	25.00	
AS	1	2.00	
B	0		
BA	1	143.00	
BE	0		
CA	1	8.37	
CD	1	1.00	
CO	1	28.00	
CR	1	480.00	
CU	1	530.00	
FE	1	317.00	
HG	1	0.09	
MG	1	128.00	
MN	1	413.00	
MO	1	9.00	
NI	1	59.00	
P	1	1060.00	
PB	1	14.00	
S	1	781.00	
SE	1	16.00	
SN	1	5.00	
SR	1	33.00	
TI	0		
V	0		
ZN	1	52.00	
OC	1	62.00	
INC	1	2.00	
TC	1	64.00	
KJN	1	2.80	
VOL	1	15.40	

Flora Lake
Vancouver Island
Mapsheet: 92 C15

Variable	N	Mean	Std Dev
AL	1	28.40	
AS	1	2.00	
B	0		
BA	1	84.00	
BE	0		
CA	1	10.50	
CD	1	1.00	
CO	1	16.00	
CR	1	330.00	
CU	1	300.00	
FE	1	312.00	
HG	1	0.14	
MG	1	48.70	
MN	1	574.00	
MO	1	9.00	
NI	1	13.00	
P	1	1270.00	
PB	1	17.00	
S	1	1590.00	
SE	1	20.00	
SN	1	7.00	
SR	1	36.00	
TI	0		
V	0		
ZN	1	44.00	
OC	1	160.00	
INC	1	1.60	
TC	1	162.00	
KJN	1	8.40	
VOL	1	40.00	

Florence Lake
Vancouver Island
Mapsheet: 92 B05

Variable	N	Mean	Std Dev
AL	1	8.79	
AS	1	25.00	
B	1	3.00	
BA	1	38.00	
BE	1	1.00	
CA	1	8.90	
CD	1	1.00	
CO	1	10.00	
CR	1	180.00	
CU	1	400.00	
FE	1	105.00	
HG	1	0.15	
MG	1	23.80	
MN	1	372.00	
MO	1	5.00	
NI	1	19.00	
P	1	1450.00	
PB	1	71.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	25.00	
TI	1	400.00	
V	1	28.00	
ZN	1	157.00	
OC	1	229.00	
INC	1	0.50	
TC	1	229.00	
KJN	1	24.00	
VOL	1	53.70	

Flume Lake
Vancouver Island
Mapsheet: 92 F13

Variable	N	Mean	Std Dev
AL	1	8.36	
AS	1	24.00	
B	1	1.00	
BA	1	59.00	
BE	1	1.00	
CA	1	3.85	
CD	1	1.00	
CO	1	10.00	
CR	1	90.00	
CU	1	360.00	
FE	1	53.00	
HG	1	0.13	
MG	1	6.40	
MN	1	94.00	
MO	1	7.00	
NI	1	6.00	
P	1	697.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	16.00	
TI	1	240.00	
V	1	35.00	
ZN	1	20.00	
OC	1	124.00	
INC	1	5.10	
TC	1	129.00	
KJN	1	10.90	
VOL	1	33.20	

Fuller Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	13.60	
AS	1	25.00	
B	1	4.00	
BA	1	68.00	
BE	1	1.00	
CA	1	3.70	
CD	1	1.00	
CO	1	10.00	
CR	1	220.00	
CU	1	640.00	
FE	1	123.00	
HG	1	0.21	
MG	1	25.40	
MN	1	229.00	
MO	1	7.00	
NI	1	18.00	
P	1	1580.00	
PB	1	72.00	
S	0		
SE	1	12.00	
SN	1	5.00	
SR	1	27.00	
TI	1	302.00	
V	1	45.00	
ZN	1	85.00	
OC	1	198.00	
INC	1	1.30	
TC	1	199.00	
KJN	1	15.60	
VOL	1	43.20	

Francis Lake
Vancouver Island
Mapsheet: 92 C15

Variable	N	Mean	Std Dev
AL	1	31.30	
AS	1	2.00	
B	0		
BA	1	72.00	
BE	0		
CA	1	6.73	
CD	1	1.00	
CO	1	33.00	
CR	1	390.00	
CU	1	860.00	
FE	1	460.00	
HG	1	0.13	
MG	1	124.00	
MN	1	650.00	
MO	1	9.00	
NI	1	21.00	
P	1	1040.00	
PB	1	28.00	
S	1	755.00	
SE	1	20.00	
SN	1	5.00	
SR	1	18.00	
TI	0		
V	0		
ZN	1	79.00	
OC	1	73.00	
INC	1	4.30	
TC	1	78.00	
KJN	1	3.30	
VOL	1	20.80	

Glen Lake
Vancouver Island
Mapsheet: 92 B05

Variable	N	Mean	Std Dev
AL	1	7.20	
AS	1	52.00	
B	1	82.00	
BA	1	93.00	
BE	1	1.00	
CA	1	5.90	
CD	1	4.00	
CO	1	21.00	
CR	1	1110.00	
CU	1	290.00	
FE	1	1210.00	
HG	1	0.23	
MG	1	10.70	
MN	1	1430.00	
MO	1	9.00	
NI	1	16.00	
P	1	4440.00	
PB	1	57.00	
S	0		
SE	1	39.00	
SN	1	5.00	
SR	1	18.00	
TI	1	240.00	
V	1	99.00	
ZN	1	71.00	
OC	1	200.00	
INC	1	4.90	
TC	1	205.00	
KJN	1	16.00	
VOL	1	46.70	

Gooseneck Lake
Vancouver Island
Mapsheet: 92 F13

Variable	N	Mean	Std Dev
AL	1	19.00	
AS	1	47.00	
B	1	1.00	
BA	1	97.00	
BE	1	1.00	
CA	1	6.02	
CD	1	1.00	
CO	1	14.00	
CR	1	280.00	
CU	1	550.00	
FE	1	614.00	
HG	1	0.26	
MG	1	27.30	
MN	1	937.00	
MO	1	26.00	
NI	1	16.00	
P	1	2050.00	
PB	1	26.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	20.00	
TI	1	593.00	
V	1	75.00	
ZN	1	50.00	
OC	1	120.00	
INC	1	3.10	
TC	1	123.00	
KJN	1	7.10	
VOL	1	32.40	

Helen McKenzie Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	30.40	
AS	1	200.00	
B	0		
BA	1	300.00	
BE	0		
CA	1	4.64	
CD	1	1.00	
CO	1	30.00	
CR	1	290.00	
CU	1	320.00	
FE	1	1170.00	
HG	1	0.17	
MG	1	39.80	
MN	1	57700.00	
MO	1	1.00	
NI	1	29.00	
P	1	1220.00	
PB	1	10.00	
S	1	1380.00	
SE	1	10.00	
SN	0		
SR	1	33.00	
TI	0		
V	1	32.00	
ZN	1	145.00	
OC	1	68.00	
INC	1	6.20	
TC	1	74.00	
KJN	1	4.70	
VOL	1	24.00	

Green Lake
Vancouver Island
Mapsheet: 92 F01

Variable	N	Mean	Std Dev
AL	1	19.30	
AS	1	25.00	
B	1	1.00	
BA	1	67.00	
BE	1	1.00	
CA	1	7.10	
CD	1	1.00	
CO	1	10.00	
CR	1	310.00	
CU	1	460.00	
FE	1	150.00	
HG	1	0.38	
MG	1	20.60	
MN	1	572.00	
MO	1	5.00	
NI	1	20.00	
P	1	932.00	
PB	1	68.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	32.00	
TI	1	431.00	
V	1	131.00	
ZN	1	95.00	
OC	1	149.00	
INC	1	3.00	
TC	1	152.00	
KJN	1	12.00	
VOL	1	37.70	

Holden Lake
Vancouver Island
Mapsheet: 92 G04

Variable	N	Mean	Std Dev
AL	1	18.50	
AS	1	37.00	
B	1	1.00	
BA	1	173.00	
BE	1	1.00	
CA	1	7.80	
CD	1	1.00	
CO	1	10.00	
CR	1	330.00	
CU	1	460.00	
FE	1	161.00	
HG	1	0.30	
MG	1	27.10	
MN	1	543.00	
MO	1	13.00	
NI	1	48.00	
P	1	1540.00	
PB	1	243.00	
S	0		
SE	1	15.00	
SN	1	6.00	
SR	1	74.00	
TI	1	486.00	
V	1	45.00	
ZN	1	84.00	
OC	1	203.00	
INC	1	1.70	
TC	1	205.00	
KJN	1	20.00	
VOL	1	45.80	

Holyoak Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	22.50	
AS	1	24.00	
B	1	5.00	
BA	1	136.00	
BE	1	1.00	
CA	1	6.60	
CD	1	1.00	
CO	1	10.00	
CR	1	130.00	
CU	1	240.00	
FE	1	61.00	
HG	1	0.11	
MG	1	10.30	
MN	1	104.00	
MO	1	11.00	
NI	1	13.00	
P	1	1240.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	34.00	
TI	1	322.00	
V	1	26.00	
ZN	1	26.00	
OC	1	216.00	
INC	1	4.20	
TC	1	220.00	
KJN	1	13.60	
VOL	1	53.40	

Johnston Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	46.50	
AS	1	25.00	
B	0		
BA	1	198.00	
BE	0		
CA	1	4.03	
CD	1	1.00	
CO	1	460.00	
CR	1	330.00	
CU	1	740.00	
FE	1	1330.00	
HG	1	0.32	
MG	1	8.80	
MN	1	17300.00	
MO	1	1.00	
NI	1	15.00	
P	1	2700.00	
PB	1	10.00	
S	1	1620.00	
SE	1	10.00	
SN	0		
SR	1	14.00	
TI	0		
V	1	42.00	
ZN	1	89.00	
OC	1	164.00	
INC	1	3.60	
TC	1	168.00	
KJN	1	4.10	
VOL	1	47.20	

Jarvis Lake
Vancouver Island
Mapsheet: 92 B12

Variable	N	Mean	Std Dev
AL	1	21.60	
AS	1	25.00	
B	1	1.00	
BA	1	32.00	
BE	1	1.00	
CA	1	4.30	
CD	1	1.00	
CO	1	10.00	
CR	1	140.00	
CU	1	250.00	
FE	1	95.00	
HG	1	0.22	
MG	1	5.90	
MN	1	51.00	
MO	1	2.00	
NI	1	22.00	
P	1	757.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	21.00	
TI	1	71.00	
V	1	24.00	
ZN	1	34.00	
OC	1	240.00	
INC	1	0.50	
TC	1	240.00	
KJN	1	19.00	
VOL	1	55.60	

Keating Lake
Vancouver Island
Mapsheet: 92 B12

Variable	N	Mean	Std Dev
AL	1	11.00	
AS	1	11.00	
B	0		
BA	1	153.00	
BE	0		
CA	1	7.42	
CD	1	1.00	
CO	1	10.00	
CR	1	170.00	
CU	1	300.00	
FE	1	99.00	
HG	1	0.26	
MG	1	14.70	
MN	1	130.00	
MO	1	1.00	
NI	1	22.00	
P	1	1640.00	
PB	1	44.00	
S	1	4380.00	
SE	1	10.00	
SN	1	5.00	
SR	1	75.00	
TI	0		
V	0		
ZN	1	53.00	
OC	1	233.00	
INC	1	3.20	
TC	1	236.00	
KJN	1	17.70	
VOL	1	49.90	

Keta Lake
Vancouver Island
Mapsheet: 92 L08

Variable	N	Mean	Std Dev
AL	1	32.90	
AS	1	23.00	
B	1	17.00	
BA	1	76.00	
BE	1	1.00	
CA	1	5.80	
CD	1	1.00	
CO	1	10.00	
CR	1	330.00	
CU	1	530.00	
FE	1	226.00	
HG	1	0.42	
MG	1	25.40	
MN	1	869.00	
MO	1	44.00	
NI	1	10.00	
P	1	2000.00	
PB	1	60.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	29.00	
TI	1	692.00	
V	1	66.00	
ZN	1	59.00	
OC	1	209.00	
INC	1	2.80	
TC	1	212.00	
KJN	1	11.20	
VOL	1	51.00	

Kwai Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	27.80	
AS	1	25.00	
B	0		
BA	1	51.00	
BE	0		
CA	1	3.51	
CD	1	1.00	
CO	1	10.00	
CR	1	250.00	
CU	1	270.00	
FE	1	144.00	
HG	1	0.11	
MG	1	29.20	
MN	1	139.00	
MO	1	1.00	
NI	1	25.00	
P	1	1260.00	
PB	1	10.00	
S	1	2720.00	
SE	1	10.00	
SN	0		
SR	1	19.00	
TI	0		
V	1	20.00	
ZN	1	61.00	
OC	1	196.00	
INC	1	4.10	
TC	1	200.00	
KJN	1	10.50	
VOL	1	46.30	

Kissinger Lake
Vancouver Island
Mapsheet: 92 C16

Variable	N	Mean	Std Dev
AL	1	10.40	
AS	1	2.00	
B	0		
BA	1	46.00	
BE	0		
CA	1	4.44	
CD	1	1.00	
CO	1	10.00	
CR	1	140.00	
CU	1	220.00	
FE	1	107.00	
HG	1	0.22	
MG	1	22.40	
MN	1	286.00	
MO	1	2.00	
NI	1	12.00	
P	1	1550.00	
PB	1	68.00	
S	1	3290.00	
SE	1	10.00	
SN	1	5.00	
SR	1	20.00	
TI	0		
V	0		
ZN	1	53.00	
OC	1	227.00	
INC	1	1.40	
TC	1	228.00	
KJN	1	13.90	
VOL	1	49.50	

Lady Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	31.40	
AS	1	25.00	
B	0		
BA	1	62.00	
BE	0		
CA	1	4.91	
CD	1	1.00	
CO	1	30.00	
CR	1	290.00	
CU	1	260.00	
FE	1	591.00	
HG	1	0.15	
MG	1	20.60	
MN	1	914.00	
MO	1	1.00	
NI	1	20.00	
P	1	1400.00	
PB	1	10.00	
S	1	2150.00	
SE	1	10.00	
SN	0		
SR	1	24.00	
TI	0		
V	1	34.00	
ZN	1	81.00	
OC	1	120.00	
INC	1	6.60	
TC	1	127.00	
KJN	1	7.70	
VOL	1	34.10	

Lake Beautiful
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	43.00	
AS	1	25.00	
B	0		
BA	1	29.00	
BE	0		
CA	1	3.66	
CD	1	1.00	
CO	1	40.00	
CR	1	640.00	
CU	1	780.00	
FE	1	647.00	
HG	1	0.28	
MG	1	32.10	
MN	1	633.00	
MO	1	1.00	
NI	1	42.00	
P	1	2750.00	
PB	1	10.00	
S	1	3130.00	
SE	1	10.00	
SN	0		
SR	1	16.00	
TI	0		
V	1	71.00	
ZN	1	129.00	
OC	1	174.00	
INC	1	4.30	
TC	1	178.00	
KJN	1	10.10	
VOL	1	41.90	

Langford Lake
Vancouver Island
Mapsheet: 92 B05

Variable	N	Mean	Std Dev
AL	1	3.84	
AS	1	25.00	
B	1	8.00	
BA	1	7.00	
BE	1	1.00	
CA	1	7.74	
CD	1	1.00	
CO	1	10.00	
CR	1	100.00	
CU	1	3200.00	
FE	1	58.00	
HG	1	0.07	
MG	1	12.50	
MN	1	214.00	
MO	1	6.00	
NI	1	9.00	
P	1	615.00	
PB	1	113.00	
S	1	16800.00	
SE	1	10.00	
SN	1	123.00	
SR	1	17.00	
TI	1	133.00	
V	1	32.00	
ZN	1	48.00	
OC	1	212.00	
INC	1	1.00	
TC	1	212.00	
KJN	1	19.90	
VOL	1	48.90	

Lizard Lake
Vancouver Island
Mapsheet: 92 C09

Variable	N	Mean	Std Dev
AL	1	11.60	
AS	1	2.00	
B	0		
BA	1	45.00	
BE	0		
CA	1	5.41	
CD	1	1.00	
CO	1	10.00	
CR	1	100.00	
CU	1	230.00	
FE	1	144.00	
HG	1	0.11	
MG	1	7.80	
MN	1	410.00	
MO	1	3.00	
NI	1	15.00	
P	1	1430.00	
PB	1	26.00	
S	1	3130.00	
SE	1	10.00	
SN	1	5.00	
SR	1	22.00	
TI	0		
V	0		
ZN	1	42.00	
OC	1	192.00	
INC	1	3.70	
TC	1	196.00	
KJN	1	13.00	
VOL	1	42.80	

Lois Lake
Vancouver Island
Mapsheet: 92 F16

Variable	N	Mean	Std Dev
AL	1	5.24	
AS	1	1.00	
B	0		
BA	1	52.00	
BE	0		
CA	1	4.39	
CD	1	1.00	
CO	1	10.00	
CR	1	60.00	
CU	1	140.00	
FE	1	26.00	
HG	1	0.05	
MG	1	3.80	
MN	1	44.00	
MO	1	2.00	
NI	1	5.00	
P	1	342.00	
PB	1	14.00	
S	1	3850.00	
SE	1	10.00	
SN	1	5.00	
SR	1	35.00	
TI	0		
V	0		
ZN	1	12.00	
OC	1	158.00	
INC	1	2.00	
TC	1	160.00	
KJN	1	9.70	
VOL	1	38.00	

Long Lake
Vancouver Island
Mapsheet: 92 F01

Variable	N	Mean	Std Dev
AL	1	8.85	
AS	1	14.00	
B	0		
BA	1	48.00	
BE	0		
CA	1	6.35	
CD	1	1.00	
CO	1	12.00	
CR	1	260.00	
CU	1	320.00	
FE	1	114.00	
HG	1	0.12	
MG	1	16.80	
MN	1	389.00	
MO	1	3.00	
NI	1	14.00	
P	1	800.00	
PB	1	87.00	
S	1	6400.00	
SE	1	10.00	
SN	1	5.00	
SR	1	33.00	
TI	0		
V	0		
ZN	1	103.00	
OC	1	21.00	
INC	1	2.70	
TC	1	24.00	
KJN	1	11.80	
VOL	1	50.40	

Long Lake
Vancouver Island
Mapsheet: 92 F14

Variable	N	Mean	Std Dev
AL	1	18.90	
AS	1	197.00	
B	0		
BA	1	96.00	
BE	0		
CA	1	4.84	
CD	1	8.00	
CO	1	30.00	
CR	1	1240.00	
CU	1	530.00	
FE	1	1250.00	
HG	1	0.32	
MG	1	16.50	
MN	1	1600.00	
MO	1	22.00	
NI	1	16.00	
P	1	3130.00	
PB	1	37.00	
S	1	2030.00	
SE	1	41.00	
SN	1	21.00	
SR	1	23.00	
TI	0		
V	0		
ZN	1	67.00	
OC	1	147.00	
INC	1	1.70	
TC	1	149.00	
KJN	1	10.10	
VOL	1	39.10	

Marlwood Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	42.70	
AS	1	25.00	
B	0		
BA	1	34.00	
BE	0		
CA	1	7.05	
CD	1	1.00	
CO	1	40.00	
CR	1	400.00	
CU	1	460.00	
FE	1	228.00	
HG	1	0.22	
MG	1	12.30	
MN	1	823.00	
MO	1	1.00	
NI	1	19.00	
P	1	1980.00	
PB	1	10.00	
S	1	3460.00	
SE	1	10.00	
SN	0		
SR	1	31.00	
TI	0		
V	1	25.00	
ZN	1	60.00	
OC	1	266.00	
INC	1	3.60	
TC	1	270.00	
KJN	1	15.50	
VOL	1	58.50	

Matheson Lake
Vancouver Island
Mapsheet: 92 B05

Variable	N	Mean	Std Dev
AL	1	7.36	
AS	1	25.00	
B	1	1.00	
BA	1	22.00	
BE	1	1.00	
CA	1	6.50	
CD	1	1.00	
CO	1	10.00	
CR	1	190.00	
CU	1	440.00	
FE	1	91.00	
HG	1	0.12	
MG	1	18.30	
MN	1	308.00	
MO	1	5.00	
NI	1	10.00	
P	1	673.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	13.00	
TI	1	299.00	
V	1	39.00	
ZN	1	36.00	
OC	1	221.00	
INC	1	0.50	
TC	1	221.00	
KJN	1	17.00	
VOL	1	47.60	

Maxwell Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	11.50	
AS	1	28.00	
B	0		
BA	1	82.00	
BE	0		
CA	1	5.65	
CD	1	2.00	
CO	1	10.00	
CR	1	180.00	
CU	1	430.00	
FE	1	157.00	
HG	1	0.18	
MG	1	17.60	
MN	1	877.00	
MO	1	8.00	
NI	1	19.00	
P	1	989.00	
PB	1	113.00	
S	1	7920.00	
SE	1	11.00	
SN	1	5.00	
SR	1	21.00	
TI	0		
V	0		
ZN	1	90.00	
OC	1	234.00	
INC	1	3.00	
TC	1	237.00	
KJN	1	17.10	
VOL	1	51.10	

McCreight Lake
Vancouver Island
Mapsheet: 92 K05

Variable	N	Mean	Std Dev
AL	1	34.90	
AS	1	25.00	
B	0		
BA	0		
BE	0		
CA	1	5.12	
CD	1	1.00	
CO	1	20.00	
CR	1	260.00	
CU	1	760.00	
FE	1	506.00	
HG	1	0.16	
MG	1	651.00	
MN	1	2420.00	
MO	1	1.00	
NI	1	20.00	
P	1	870.00	
PB	1	20.00	
S	1	1200.00	
SE	1	10.00	
SN	0		
SR	1	23.00	
TI	0		
V	1	86.00	
ZN	1	62.00	
OC	1	51.00	
INC	1	6.90	
TC	1	58.00	
KJN	1	1.50	
VOL	1	22.80	

McIvor Lake
Vancouver Island
Mapsheet: 92 K03

Variable	N	Mean	Std Dev
AL	1	10.20	
AS	1	25.00	
B	0		
BA	1	27.00	
BE	0		
CA	1	6.32	
CD	1	1.00	
CO	1	10.00	
CR	1	220.00	
CU	1	360.00	
FE	1	104.00	
HG	1	0.05	
MG	1	26.50	
MN	1	623.00	
MO	1	3.00	
NI	1	13.00	
P	1	660.00	
PB	1	22.00	
S	1	2950.00	
SE	1	10.00	
SN	0		
SR	1	11.00	
TI	0		
V	1	60.00	
ZN	1	36.00	
OC	1	165.00	
INC	1	8.50	
TC	1	176.00	
KJN	1	12.90	
VOL	1	40.80	

McKay Lake
Vancouver Island
Mapsheet: 92 G04

Variable	N	Mean	Std Dev
AL	1	8.46	
AS	1	3.00	
B	0		
BA	1	71.00	
BE	0		
CA	1	6.14	
CD	1	1.00	
CO	1	10.00	
CR	1	150.00	
CU	1	310.00	
FE	1	94.00	
HG	1	0.16	
MG	1	19.40	
MN	1	269.00	
MO	1	3.00	
NI	1	17.00	
P	1	726.00	
PB	1	76.00	
S	1	3850.00	
SE	1	10.00	
SN	1	20.00	
SR	1	42.00	
TI	0		
V	0		
ZN	1	67.00	
OC	1	261.00	
INC	1	1.30	
TC	1	262.00	
KJN	1	13.00	
VOL	1	53.20	

McKenzie Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	26.60	
AS	1	25.00	
B	0		
BA	1	32.00	
BE	0		
CA	1	7.00	
CD	1	1.00	
CO	1	20.00	
CR	1	520.00	
CU	1	680.00	
FE	1	366.00	
HG	1	0.19	
MG	1	59.60	
MN	1	412.00	
MO	1	1.00	
NI	1	26.00	
P	1	980.00	
PB	1	10.00	
S	1	1650.00	
SE	1	10.00	
SN	0		
SR	1	17.00	
TI	0		
V	1	65.00	
ZN	1	46.00	
OC	1	188.00	
INC	1	3.90	
TC	1	192.00	
KJN	1	11.00	
VOL	1	45.30	

Moat Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	32.90	
AS	1	490.00	
B	0		
BA	1	43.00	
BE	0		
CA	1	6.34	
CD	1	1.00	
CO	1	60.00	
CR	1	330.00	
CU	1	1740.00	
FE	1	846.00	
HG	1	0.22	
MG	1	97.90	
MN	1	20400.00	
MO	1	1.00	
NI	1	29.00	
P	1	1070.00	
PB	1	10.00	
S	1	1240.00	
SE	1	10.00	
SN	0		
SR	1	10.00	
TI	0		
V	1	103.00	
ZN	1	104.00	
OC	1	62.00	
INC	1	8.50	
TC	1	70.00	
KJN	1	4.00	
VOL	1	22.40	

Mirror Lake
Vancouver Island
Mapsheet: 92 F14

Variable	N	Mean	Std Dev
AL	1	14.60	
AS	1	25.00	
B	0		
BA	1	26.00	
BE	0		
CA	1	6.59	
CD	1	1.00	
CO	1	10.00	
CR	1	200.00	
CU	1	380.00	
FE	1	140.00	
HG	1	0.12	
MG	1	32.40	
MN	1	224.00	
MO	1	2.00	
NI	1	17.00	
P	1	1200.00	
PB	1	76.00	
S	1	2050.00	
SE	1	10.00	
SN	0		
SR	1	19.00	
TI	0		
V	1	43.00	
ZN	1	58.00	
OC	1	120.00	
INC	1	3.20	
TC	1	123.00	
KJN	1	3.10	
VOL	1	30.80	

Myles Lake
Vancouver Island
Mapsheet: 92 G04

Variable	N	Mean	Std Dev
AL	1	9.68	
AS	1	24.00	
B	1	5.00	
BA	1	126.00	
BE	1	1.00	
CA	1	4.70	
CD	1	1.00	
CO	1	10.00	
CR	1	110.00	
CU	1	210.00	
FE	1	37.00	
HG	1	0.13	
MG	1	5.70	
MN	1	152.00	
MO	1	11.00	
NI	1	10.00	
P	1	1620.00	
PB	1	11.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	33.00	
TI	1	99.00	
V	1	31.00	
ZN	1	39.00	
OC	1	250.00	
INC	1	0.50	
TC	1	250.00	
KJN	1	19.50	
VOL	1	54.90	

Old Wolf Lake
Vancouver Island
Mapsheet: 92 B05

Variable	N	Mean	Std Dev
AL	1	11.00	
AS	1	25.00	
B	1	1.00	
BA	1	46.00	
BE	1	1.00	
CA	1	3.70	
CD	1	1.00	
CO	1	10.00	
CR	1	80.00	
CU	1	220.00	
FE	1	58.00	
HG	1	0.05	
MG	1	6.50	
MN	1	153.00	
MO	1	3.00	
NI	1	9.00	
P	1	1840.00	
PB	1	24.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	19.00	
TI	1	130.00	
V	1	23.00	
ZN	1	28.00	
OC	1	210.00	
INC	1	1.00	
TC	1	211.00	
KJN	1	19.00	
VOL	1	50.00	

Panther Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	40.10	
AS	1	25.00	
B	0		
BA	1	69.00	
BE	0		
CA	1	5.84	
CD	1	1.00	
CO	1	30.00	
CR	1	630.00	
CU	1	810.00	
FE	1	514.00	
HG	1	0.16	
MG	1	64.90	
MN	1	621.00	
MO	1	1.00	
NI	1	43.00	
P	1	1500.00	
PB	1	10.00	
S	1	1670.00	
SE	1	10.00	
SN	0		
SR	1	21.00	
TI	0		
V	1	76.00	
ZN	1	97.00	
OC	1	132.00	
INC	1	7.30	
TC	1	139.00	
KJN	1	7.60	
VOL	1	36.50	

Pearse Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	31.20	
AS	1	25.00	
B	0		
BA	1	45.00	
BE	0		
CA	1	5.89	
CD	1	1.00	
CO	1	20.00	
CR	1	580.00	
CU	1	750.00	
FE	1	357.00	
HG	1	0.17	
MG	1	71.30	
MN	1	766.00	
MO	1	1.00	
NI	1	34.00	
P	1	880.00	
PB	1	10.00	
S	1	1600.00	
SE	1	10.00	
SN	0		
SR	1	13.00	
TI	0		
V	1	65.00	
ZN	1	69.00	
OC	1	118.00	
INC	1	5.40	
TC	1	123.00	
KJN	1	8.20	
VOL	1	34.30	

Pixie Lake
Vancouver Island
Mapsheet: 92 C09

Variable	N	Mean	Std Dev
AL	1	12.40	
AS	1	2.00	
B	0		
BA	1	47.00	
BE	0		
CA	1	5.80	
CD	1	1.00	
CO	1	21.00	
CR	1	220.00	
CU	1	380.00	
FE	1	209.00	
HG	1	0.09	
MG	1	21.60	
MN	1	187.00	
MO	1	6.00	
NI	1	30.00	
P	1	639.00	
PB	1	21.00	
S	1	4350.00	
SE	1	17.00	
SN	1	10.00	
SR	1	31.00	
TI	0		
V	0		
ZN	1	43.00	
OC	1	214.00	
INC	1	4.80	
TC	1	219.00	
KJN	1	15.50	
VOL	1	47.20	

Prospect Lake
Vancouver Island
Mapsheet: 92 B11

Variable	N	Mean	Std Dev
AL	1	14.10	
AS	1	25.00	
B	1	1.00	
BA	1	76.00	
BE	1	1.00	
CA	1	5.60	
CD	1	1.00	
CO	1	10.00	
CR	1	310.00	
CU	1	380.00	
FE	1	153.00	
HG	1	0.21	
MG	1	27.20	
MN	1	226.00	
MO	1	10.00	
NI	1	18.00	
P	1	855.00	
PB	1	167.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	23.00	
TI	1	317.00	
V	1	40.00	
ZN	1	129.00	
OC	1	116.00	
INC	1	4.10	
TC	1	120.00	
KJN	1	12.00	
VOL	1	29.90	

Quamichan Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	15.40	
AS	1	6.00	
B	0		
BA	1	79.00	
BE	0		
CA	1	8.22	
CD	1	1.00	
CO	1	12.00	
CR	1	290.00	
CU	1	620.00	
FE	1	158.00	
HG	1	0.14	
MG	1	43.40	
MN	1	378.00	
MO	1	6.00	
NI	1	38.00	
P	1	1440.00	
PB	1	79.00	
S	1	7210.00	
SE	1	15.00	
SN	1	9.00	
SR	1	56.00	
TI	0		
V	0		
ZN	1	102.00	
OC	1	208.00	
INC	1	2.30	
TC	1	210.00	
KJN	1	18.20	
VOL	1	45.80	

Quenell Lake
Vancouver Island
Mapsheet: 92 G04

Variable	N	Mean	Std Dev
AL	2	13.45	3.04
AS	2	6.00	1.41
B	0		
BA	2	164.00	35.36
BE	0		
CA	2	9.61	0.22
CD	2	1.00	0.00
CO	2	10.00	0.00
CR	2	230.00	42.43
CU	2	335.00	49.50
FE	2	152.00	31.11
HG	2	0.13	0.01
MG	2	28.10	4.81
MN	2	396.00	97.58
MO	2	4.50	2.12
NI	2	29.00	7.07
P	2	1240.00	212.13
PB	2	25.00	21.21
S	2	8435.00	3910.30
SE	2	13.00	2.83
SN	2	9.50	3.54
SR	2	84.50	2.12
TI	0		
V	0		
ZN	2	76.00	11.31
OC	2	228.50	23.33
INC	2	2.95	0.21
TC	2	231.50	23.33
KJN	2	14.00	0.00
VOL	2	46.85	3.18

Quinsam Lake
Vancouver Island
Mapsheet: 92 F14

Variable	N	Mean	Std Dev
AL	1	19.50	
AS	1	52.00	
B	1	1.00	
BA	1	82.00	
BE	1	1.00	
CA	1	6.28	
CD	1	1.00	
CO	1	23.00	
CR	1	480.00	
CU	1	780.00	
FE	1	625.00	
HG	1	0.07	
MG	1	78.80	
MN	1	642.00	
MO	1	14.00	
NI	1	38.00	
P	1	701.00	
PB	1	22.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	41.00	
TI	1	269.00	
V	1	106.00	
ZN	1	103.00	
OC	1	48.00	
INC	1	4.20	
TC	1	52.00	
KJN	1	2.00	
VOL	1	14.30	

Quinsam Lake, Middle
Vancouver Island
Mapsheet: 92 F14

Variable	N	Mean	Std Dev
AL	1	22.40	
AS	1	21.00	
B	1	1.00	
BA	1	57.00	
BE	1	1.00	
CA	1	8.96	
CD	1	1.00	
CO	1	12.00	
CR	1	340.00	
CU	1	950.00	
FE	1	346.00	
HG	1	0.16	
MG	1	54.60	
MN	1	409.00	
MO	1	13.00	
NI	1	18.00	
P	1	1080.00	
PB	1	22.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	40.00	
TI	1	852.00	
V	1	80.00	
ZN	1	62.00	
OC	1	113.00	
INC	1	4.60	
TC	1	118.00	
KJN	1	8.90	
VOL	1	32.20	

Reinhart Lake
Vancouver Island
Mapsheet: 92 C16

Variable	N	Mean	Std Dev
AL	1	23.60	
AS	1	16.00	
B	0		
BA	1	172.00	
BE	0		
CA	1	4.59	
CD	1	1.00	
CO	1	14.00	
CR	1	440.00	
CU	1	890.00	
FE	1	271.00	
HG	1	0.11	
MG	1	77.70	
MN	1	386.00	
MO	1	10.00	
NI	1	44.00	
P	1	934.00	
PB	1	22.00	
S	1	1750.00	
SE	1	14.00	
SN	1	22.00	
SR	1	26.00	
TI	0		
V	0		
ZN	1	75.00	
OC	1	80.00	
INC	1	7.60	
TC	1	87.00	
KJN	1	7.80	
VOL	1	26.00	

Richard Lake
Vancouver Island
Mapsheet: 92 G04

Variable	N	Mean	Std Dev
AL	1	8.51	
AS	1	3.00	
B	0		
BA	1	90.00	
BE	0		
CA	1	12.60	
CD	1	1.00	
CO	1	13.00	
CR	1	140.00	
CU	1	480.00	
FE	1	140.00	
HG	1	0.15	
MG	1	16.40	
MN	1	110.00	
MO	1	3.00	
NI	1	17.00	
P	1	1240.00	
PB	1	20.00	
S	1	9690.00	
SE	1	10.00	
SN	1	6.00	
SR	1	158.00	
TI	0		
V	0		
ZN	1	73.00	
OC	1	296.00	
INC	1	2.40	
TC	1	298.00	
KJN	1	18.30	
VOL	1	62.50	

Roberts Lake
Vancouver Island
Mapsheet: 92 K04

Variable	N	Mean	Std Dev
AL	1	36.70	
AS	1	25.00	
B	0		
BA	1	151.00	
BE	0		
CA	1	6.82	
CD	1	1.00	
CO	1	50.00	
CR	1	400.00	
CU	1	1430.00	
FE	1	874.00	
HG	1	0.27	
MG	1	96.80	
MN	1	31000.00	
MO	1	1.00	
NI	1	32.00	
P	1	870.00	
PB	1	50.00	
S	1	971.00	
SE	1	10.00	
SN	0		
SR	1	30.00	
TI	0		
V	1	88.00	
ZN	1	93.00	
OC	1	73.00	
INC	1	9.70	
TC	1	83.00	
KJN	1	1.40	
VOL	1	24.40	

Round Lake
Vancouver Island
Mapsheet: 92 F01

Variable	N	Mean	Std Dev
AL	1	12.20	
AS	1	2.00	
B	0		
BA	1	47.00	
BE	0		
CA	1	10.10	
CD	1	1.00	
CO	1	21.00	
CR	1	310.00	
CU	1	620.00	
FE	1	452.00	
HG	1	0.17	
MG	1	10.90	
MN	1	386.00	
MO	1	4.00	
NI	1	20.00	
P	1	2070.00	
PB	1	20.00	
S	1	8200.00	
SE	1	12.00	
SN	1	6.00	
SR	1	111.00	
TI	0		
V	0		
ZN	1	56.00	
OC	1	257.00	
INC	1	2.30	
TC	1	259.00	
KJN	1	17.20	
VOL	1	53.00	

Shaw Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	20.40	
AS	1	35.00	
B	1	1.00	
BA	1	42.00	
BE	1	1.00	
CA	1	5.55	
CD	1	1.00	
CO	1	11.00	
CR	1	130.00	
CU	1	390.00	
FE	1	145.00	
HG	1	0.11	
MG	1	20.20	
MN	1	182.00	
MO	1	15.00	
NI	1	24.00	
P	1	1200.00	
PB	1	18.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	38.00	
TI	1	692.00	
V	1	54.00	
ZN	1	79.00	
OC	1	282.00	
INC	1	0.50	
TC	1	282.00	
KJN	1	20.80	
VOL	1	68.20	

Shawnigan Lake
Vancouver Island
Mapsheet: 92 B12

Variable	N	Mean	Std Dev
AL	1	10.00	
AS	1	23.00	
B	1	31.00	
BA	1	76.00	
BE	1	1.00	
CA	1	15.80	
CD	1	1.00	
CO	1	10.00	
CR	1	410.00	
CU	1	310.00	
FE	1	179.00	
HG	1	0.19	
MG	1	30.10	
MN	1	214.00	
MO	1	13.00	
NI	1	21.00	
P	1	796.00	
PB	1	31.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	198.00	
TI	1	183.00	
V	1	51.00	
ZN	1	69.00	
OC	1	247.00	
INC	1	1.30	
TC	1	248.00	
KJN	1	16.80	
VOL	1	54.90	

Silver Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	8.28	
AS	1	22.00	
B	1	1.00	
BA	1	61.00	
BE	1	1.00	
CA	1	4.20	
CD	1	1.00	
CO	1	10.00	
CR	1	90.00	
CU	1	270.00	
FE	1	45.00	
HG	1	0.05	
MG	1	9.10	
MN	1	51.00	
MO	1	5.00	
NI	1	14.00	
P	1	546.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	29.00	
TI	1	233.00	
V	1	23.00	
ZN	1	26.00	
OC	1	178.00	
INC	1	5.00	
TC	1	183.00	
KJN	1	13.00	
VOL	1	42.50	

Snakehead Lake
Vancouver Island
Mapsheet: 92 F13

Variable	N	Mean	Std Dev
AL	2	11.12	1.82
AS	2	14.50	0.71
B	0		
BA	2	64.50	17.68
BE	0		
CA	2	4.40	0.99
CD	2	1.00	0.00
CO	2	10.00	0.00
CR	2	180.00	42.43
CU	2	290.00	113.14
FE	2	205.50	33.23
HG	2	0.12	0.02
MG	2	11.15	7.28
MN	2	556.50	395.27
MO	2	7.00	0.00
NI	2	11.00	2.83
P	2	1180.00	84.85
PB	2	15.00	7.07
S	2	1980.00	311.13
SE	2	11.00	1.41
SN	2	10.00	2.83
SR	2	13.50	0.71
TI	0		
V	0		
ZN	2	34.00	16.97
OC	2	123.50	23.33
INC	2	0.85	0.07
TC	2	124.50	23.33
KJN	2	8.75	1.48
VOL	2	31.30	1.56

Somenos Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	2	24.30	2.40
AS	2	3.00	0.00
B	0		
BA	2	151.00	2.83
BE	0		
CA	2	7.48	0.32
CD	2	1.00	0.00
CO	2	16.00	1.41
CR	2	480.00	28.28
CU	2	700.00	14.14
FE	2	331.00	15.56
HG	2	0.18	0.01
MG	2	68.80	3.54
MN	2	682.00	14.14
MO	2	9.00	0.00
NI	2	38.00	2.83
P	2	1720.00	84.85
PB	2	44.00	1.41
S	2	3770.00	311.13
SE	2	18.00	0.00
SN	2	7.50	0.71
SR	2	53.00	0.00
TI	0		
V	0		
ZN	2	153.00	4.24
OC	2	118.00	8.49
INC	2	3.40	0.71
TC	2	121.50	7.78
KJN	2	12.75	0.64
VOL	2	29.50	4.67

Spectacle Lake
Vancouver Island
Mapsheet: 92 B12

Variable	N	Mean	Std Dev
AL	2	8.59	1.53
AS	2	23.50	2.12
B	2	1.00	0.00
BA	2	54.50	4.95
BE	2	1.00	0.00
CA	2	7.90	0.30
CD	2	1.00	0.00
CO	2	10.00	0.00
CR	2	50.00	70.71
CU	2	385.00	7.07
FE	2	91.50	20.51
HG	2	0.14	0.03
MG	2	13.00	7.07
MN	2	280.50	119.50
MO	2	5.50	2.12
NI	2	10.50	2.12
P	2	735.50	14.85
PB	2	33.50	23.33
S	0		
SE	2	10.00	0.00
SN	2	16.50	4.95
SR	2	24.00	1.41
TI	2	267.50	201.53
V	2	32.50	2.12
ZN	2	42.00	18.38
OC	2	260.00	38.18
INC	2	2.40	1.27
TC	2	262.50	37.48
KJN	2	12.00	3.54
VOL	2	56.50	6.08

Stocking Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	12.60	
AS	1	5.00	
B	0		
BA	1	59.00	
BE	0		
CA	1	6.93	
CD	1	1.00	
CO	1	10.00	
CR	1	130.00	
CU	1	320.00	
FE	1	57.00	
HG	1	0.14	
MG	1	6.30	
MN	1	339.00	
MO	1	14.00	
NI	1	8.00	
P	1	2400.00	
PB	1	10.00	
S	1	2950.00	
SE	1	10.00	
SN	1	5.00	
SR	1	25.00	
TI	0		
V	0		
ZN	1	30.00	
OC	1	190.00	
INC	1	3.00	
TC	1	193.00	
KJN	1	13.30	
VOL	1	43.60	

St. Mary Lake
Vancouver Island
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	15.90	
AS	1	25.00	
B	1	1.00	
BA	1	118.00	
BE	1	1.00	
CA	1	5.60	
CD	1	1.00	
CO	1	10.00	
CR	1	330.00	
CU	1	450.00	
FE	1	210.00	
HG	1	0.21	
MG	1	44.40	
MN	1	268.00	
MO	1	8.00	
NI	1	35.00	
P	1	832.00	
PB	1	39.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	51.00	
TI	1	276.00	
V	1	35.00	
ZN	1	88.00	
OC	1	145.00	
INC	1	0.50	
TC	1	145.00	
KJN	1	15.00	
VOL	1	35.20	

Stowell Lake
Vancouver Island
Mapsheet: 92 B14

Variable	N	Mean	Std Dev
AL	1	22.40	
AS	1	6.00	
B	0		
BA	1	172.00	
BE	0		
CA	1	5.62	
CD	1	1.00	
CO	1	16.00	
CR	1	420.00	
CU	1	480.00	
FE	1	255.00	
HG	1	0.19	
MG	1	49.00	
MN	1	396.00	
MO	1	10.00	
NI	1	29.00	
P	1	1410.00	
PB	1	36.00	
S	1	2830.00	
SE	1	10.00	
SN	1	8.00	
SR	1	29.00	
TI	0		
V	0		
ZN	1	106.00	
OC	1	92.00	
INC	1	1.80	
TC	1	93.00	
KJN	1	7.30	
VOL	1	22.10	

Tadjiss Lake
Vancouver Island
Mapsheet: 92 B12

Variable	N	Mean	Std Dev
AL	1	7.81	
AS	1	1.00	
B	0		
BA	1	29.00	
BE	0		
CA	1	8.26	
CD	1	1.00	
CO	1	10.00	
CR	1	160.00	
CU	1	260.00	
FE	1	68.00	
HG	1	0.13	
MG	1	9.00	
MN	1	163.00	
MO	1	2.00	
NI	1	10.00	
P	1	960.00	
PB	1	28.00	
S	1	4030.00	
SE	1	11.00	
SN	1	14.00	
SR	1	21.00	
TI	0		
V	0		
ZN	1	30.00	
OC	1	275.00	
INC	1	1.30	
TC	1	276.00	
KJN	1	19.70	
VOL	1	59.20	

Uetus Lake
Vancouver Island
Mapsheet: 92 F11

Variable	N	Mean	Std Dev
AL	1	35.10	
AS	1	25.00	
B	0		
BA	1	31.00	
BE	0		
CA	1	6.12	
CD	1	1.00	
CO	1	20.00	
CR	1	390.00	
CU	1	940.00	
FE	1	219.00	
HG	1	0.05	
MG	1	39.30	
MN	1	469.00	
MO	1	1.00	
NI	1	20.00	
P	1	1520.00	
PB	1	10.00	
S	1	2580.00	
SE	1	10.00	
SN	0		
SR	1	26.00	
TI	0		
V	1	56.00	
ZN	1	59.00	
OC	1	236.00	
INC	1	4.00	
TC	1	240.00	
KJN	1	4.40	
VOL	1	56.60	

Weston Lake
Vancouver Island
Mapsheet: 92 B14

Variable	N	Mean	Std Dev
AL	1	8.10	
AS	1	8.00	
B	0		
BA	1	52.00	
BE	0		
CA	1	8.93	
CD	1	1.00	
CO	1	10.00	
CR	1	140.00	
CU	1	370.00	
FE	1	68.00	
HG	1	0.18	
MG	1	11.90	
MN	1	128.00	
MO	1	7.00	
NI	1	12.00	
P	1	1150.00	
PB	1	28.00	
S	1	8470.00	
SE	1	10.00	
SN	1	5.00	
SR	1	27.00	
TI	0		
V	0		
ZN	1	43.00	
OC	1	257.00	
INC	1	2.00	
TC	1	259.00	
KJN	1	20.90	
VOL	1	56.40	

Wild Deer Lake
Vancouver Island
Mapsheet: 92 B12

Variable	N	Mean	Std Dev
AL	1	20.10	
AS	1	2.00	
B	0		
BA	1	84.00	
BE	0		
CA	1	6.59	
CD	1	1.00	
CO	1	16.00	
CR	1	600.00	
CU	1	530.00	
FE	1	202.00	
HG	1	0.19	
MG	1	50.60	
MN	1	275.00	
MO	1	14.00	
NI	1	23.00	
P	1	1160.00	
PB	1	29.00	
S	1	3380.00	
SE	1	19.00	
SN	1	5.00	
SR	1	16.00	
TI	0		
V	0		
ZN	1	49.00	
OC	1	149.00	
INC	1	4.70	
TC	1	154.00	
KJN	1	12.10	
VOL	1	39.40	

Marie Lake
Queen Charlotte Islands
Mapsheet: 103 F08

Variable	N	Mean	Std Dev
AL	1	25.70	
AS	1	155.00	
B	0		
BA	1	105.00	
BE	0		
CA	1	4.76	
CD	1	1.00	
CO	1	26.00	
CR	1	370.00	
CU	1	170.00	
FE	1	670.00	
HG	1	0.30	
MG	1	31.50	
MN	1	2740.00	
MO	1	14.00	
NI	1	11.00	
P	1	1440.00	
PB	1	35.00	
S	1	2030.00	
SE	1	29.00	
SN	1	11.00	
SR	1	26.00	
TI	0		
V	0		
ZN	1	76.00	
OC	1	175.00	
INC	1	1.60	
TC	1	177.00	
KJN	1	7.70	
VOL	1	41.80	

Mayer Lake
Queen Charlotte Islands
Mapsheet: 103 F09

Variable	N	Mean	Std Dev
AL	1	11.20	
AS	1	25.00	
B	1	1.00	
BA	1	43.00	
BE	1	1.00	
CA	1	4.90	
CD	1	1.00	
CO	1	10.00	
CR	1	180.00	
CU	1	80.00	
FE	1	64.00	
HG	1	0.13	
MG	1	16.10	
MN	1	429.00	
MO	1	4.00	
NI	1	6.00	
P	1	1260.00	
PB	1	12.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	46.00	
TI	1	685.00	
V	1	47.00	
ZN	1	24.00	
OC	1	169.00	
INC	1	3.50	
TC	1	173.00	
KJN	1	9.80	
VOL	1	39.20	

Mathers Lake
Queen Charlotte Islands
Mapsheet: 103 b13

Variable	N	Mean	Std Dev
AL	1	22.60	
AS	1	25.00	
B	1	1.00	
BA	1	88.00	
BE	1	1.00	
CA	1	3.90	
CD	1	1.00	
CO	1	10.00	
CR	1	150.00	
CU	1	190.00	
FE	1	224.00	
HG	1	0.11	
MG	1	31.80	
MN	1	430.00	
MO	1	9.00	
NI	1	9.00	
P	1	791.00	
PB	1	14.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	24.00	
TI	1	587.00	
V	1	29.00	
ZN	1	49.00	
OC	1	126.00	
INC	1	6.30	
TC	1	132.00	
KJN	1	5.60	
VOL	1	32.80	

Mosquito Lake
Queen Charlotte Islands
Mapsheet: 103 F01

Variable	N	Mean	Std Dev
AL	1	31.60	
AS	1	72.00	
B	1	1.00	
BA	1	111.00	
BE	1	1.00	
CA	1	8.60	
CD	1	1.00	
CO	1	39.00	
CR	1	750.00	
CU	1	1160.00	
FE	1	632.00	
HG	1	0.63	
MG	1	145.00	
MN	1	2530.00	
MO	1	22.00	
NI	1	62.00	
P	1	1160.00	
PB	1	27.00	
S	0		
SE	1	19.00	
SN	1	8.00	
SR	1	41.00	
TI	1	1360.00	
V	1	126.00	
ZN	1	123.00	
OC	1	96.00	
INC	1	5.60	
TC	1	102.00	
KJN	1	4.30	
VOL	1	33.00	

Pam Lake
Queen Charlotte Islands
Mapsheet: 103 F08

Variable	N	Mean	Std Dev
AL	1	27.40	
AS	1	122.00	
B	0		
BA	1	179.00	
BE	0		
CA	1	5.62	
CD	1	1.00	
CO	1	29.00	
CR	1	290.00	
CU	1	130.00	
FE	1	639.00	
HG	1	0.26	
MG	1	7.40	
MN	1	8480.00	
MO	1	24.00	
NI	1	8.00	
P	1	2640.00	
PB	1	32.00	
S	1	2210.00	
SE	1	25.00	
SN	1	9.00	
SR	1	48.00	
TI	0		
V	0		
ZN	1	65.00	
OC	1	234.00	
INC	1	0.50	
TC	1	235.00	
KJN	1	13.10	
VOL	1	59.40	

Paul Lake
Queen Charlotte Islands
Mapsheet: 103 F08

Variable	N	Mean	Std Dev
AL	1	18.10	
AS	1	4.00	
B	0		
BA	1	143.00	
BE	0		
CA	1	9.85	
CD	1	1.00	
CO	1	16.00	
CR	1	140.00	
CU	1	90.00	
FE	1	267.00	
HG	1	0.19	
MG	1	6.60	
MN	1	2340.00	
MO	1	13.00	
NI	1	5.00	
P	1	1550.00	
PB	1	16.00	
S	1	2850.00	
SE	1	13.00	
SN	1	10.00	
SR	1	139.00	
TI	0		
V	0		
ZN	1	37.00	
OC	1	341.00	
INC	1	1.90	
TC	1	343.00	
KJN	1	13.60	
VOL	1	65.90	

Peter Lake
Queen Charlotte Islands
Mapsheet: 103 F08

Variable	N	Mean	Std Dev
AL	1	23.40	
AS	1	50.90	
B	0		
BA	1	73.00	
BE	0		
CA	1	7.12	
CD	1	1.00	
CO	1	13.00	
CR	1	100.00	
CU	1	130.00	
FE	1	193.00	
HG	1	0.25	
MG	1	13.70	
MN	1	754.00	
MO	1	12.00	
NI	1	6.00	
P	1	1370.00	
PB	1	14.00	
S	1	2190.00	
SE	1	18.00	
SN	1	17.00	
SR	1	44.00	
TI	0		
V	0		
ZN	1	61.00	
OC	1	266.00	
INC	1	0.50	
TC	1	267.00	
KJN	1	13.40	
VOL	1	62.00	

Sheila Lake
Queen Charlotte Islands
Mapsheet: 103 F08

Variable	N	Mean	Std Dev
AL	1	26.10	
AS	1	85.00	
B	0		
BA	1	125.00	
BE	0		
CA	1	8.39	
CD	1	1.00	
CO	1	32.00	
CR	1	700.00	
CU	1	270.00	
FE	1	695.00	
HG	1	0.41	
MG	1	32.50	
MN	1	1600.00	
MO	1	26.00	
NI	1	16.00	
P	1	1650.00	
PB	1	30.00	
S	1	2780.00	
SE	1	29.00	
SN	1	5.00	
SR	1	29.00	
TI	0		
V	0		
ZN	1	113.00	
OC	1	185.00	
INC	1	1.60	
TC	1	187.00	
KJN	1	7.30	
VOL	1	43.20	

Skidegate Lake
Queen Charlotte Islands
Mapsheet: 103 G04

Variable	N	Mean	Std Dev
AL	1	37.50	
AS	1	94.00	
B	1	50.00	
BA	1	301.00	
BE	1	1.00	
CA	1	3.60	
CD	1	3.00	
CO	1	32.00	
CR	1	830.00	
CU	1	470.00	
FE	1	984.00	
HG	1	0.60	
MG	1	58.80	
MN	1	8290.00	
MO	1	25.00	
NI	1	30.00	
P	1	2120.00	
PB	1	40.00	
S	0		
SE	1	28.00	
SN	1	7.00	
SR	1	29.00	
TI	1	35.00	
V	1	86.00	
ZN	1	133.00	
OC	1	87.00	
INC	1	6.20	
TC	1	93.00	
KJN	1	5.50	
VOL	1	32.60	

Skungwwai Lake
Queen Charlotte Islands
Mapsheet: 103 B03

Variable	N	Mean	Std Dev
AL	1	6.57	
AS	1	1.00	
B	0		
BA	1	13.00	
BE	0		
CA	1	9.10	
CD	1	1.00	
CO	1	10.00	
CR	1	170.00	
CU	1	290.00	
FE	1	45.00	
HG	1	0.19	
MG	1	29.00	
MN	1	29.00	
MO	1	2.00	
NI	1	10.00	
P	1	847.00	
PB	1	14.00	
S	1	7380.00	
SE	1	10.00	
SN	1	5.00	
SR	1	103.00	
TI	0		
V	0		
ZN	1	22.00	
OC	1	277.00	
INC	1	1.60	
TC	1	279.00	
KJN	1	11.30	
VOL	1	59.60	

Yakoun Lake
Queen Charlotte Islands
Mapsheet: 103 F08

Variable	N	Mean	Std Dev
AL	1	34.00	
AS	1	73.00	
B	1	1.00	
BA	1	131.00	
BE	1	1.00	
CA	1	4.20	
CD	1	1.00	
CO	1	18.00	
CR	1	420.00	
CU	1	350.00	
FE	1	579.00	
HG	1	0.50	
MG	1	65.80	
MN	1	2240.00	
MO	1	19.00	
NI	1	21.00	
P	1	1120.00	
PB	1	27.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	34.00	
TI	1	26.00	
V	1	55.00	
ZN	1	89.00	
OC	1	85.00	
INC	1	4.00	
TC	1	89.00	
KJN	1	5.00	
VOL	1	25.40	

Higgins Lake
Southern Cascade Mtns.
Mapsheet: 92 K04

Variable	N	Mean	Std Dev
AL	1	9.38	
AS	1	25.00	
B	0		
BA	1	20.00	
BE	0		
CA	1	2.12	
CD	1	1.00	
CO	1	10.00	
CR	1	150.00	
CU	1	190.00	
FE	1	27.00	
HG	1	0.17	
MG	1	5.70	
MN	1	107.00	
MO	1	6.00	
NI	1	11.00	
P	1	917.00	
PB	1	69.00	
S	1	1640.00	
SE	1	10.00	
SN	1	5.00	
SR	1	16.00	
TI	0		
V	0		
ZN	1	28.00	
OC	1	162.00	
INC	1	2.50	
TC	1	164.00	
KJN	1	12.60	
VOL	1	38.20	

Jacobs (Marion) Lake
Southern Cascade Mtns.
Mapsheet: 92 G07

Variable	N	Mean	Std Dev
AL	1	24.50	
AS	1	25.00	
B	1	1.00	
BA	1	39.00	
BE	1	1.00	
CA	1	4.38	
CD	1	1.00	
CO	1	10.00	
CR	1	180.00	
CU	1	520.00	
FE	1	294.00	
HG	1	0.18	
MG	1	19.60	
MN	1	398.00	
MO	1	5.00	
NI	1	15.00	
P	1	898.00	
PB	1	39.00	
S	0		
SE	1	10.00	
SN	1	11.00	
SR	1	22.00	
TI	1	197.00	
V	1	49.00	
ZN	1	129.00	
OC	1	162.00	
INC	1	4.10	
TC	1	182.00	
KJN	1	9.20	
VOL	1	44.60	

Kenyon Lake
Southern Cascade Mtns.
Mapsheet: 92 G08

Variable	N	Mean	Std Dev
AL	1	12.90	
AS	1	24.00	
B	1	1.00	
BA	1	76.00	
BE	1	1.00	
CA	1	4.43	
CD	1	1.00	
CO	1	10.00	
CR	1	160.00	
CU	1	180.00	
FE	1	196.00	
HG	1	0.65	
MG	1	46.50	
MN	1	401.00	
MO	1	11.00	
NI	1	9.00	
P	1	498.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	25.00	
TI	1	982.00	
V	1	31.00	
ZN	1	61.00	
OC	1	308.00	
INC	1	1.50	
TC	1	310.00	
KJN	1	13.80	
VOL	1	71.50	

Lawler Lake
Southern Cascade Mtns.
Mapsheet: 92 K04

Variable	N	Mean	Std Dev
AL	1	5.00	
AS	1	25.00	
B	0		
BA	1	13.00	
BE	0		
CA	1	5.16	
CD	1	1.00	
CO	1	10.00	
CR	1	230.00	
CU	1	320.00	
FE	1	35.00	
HG	1	0.05	
MG	1	7.20	
MN	1	105.00	
MO	1	7.00	
NI	1	7.00	
P	1	307.00	
PB	1	10.00	
S	1	5980.00	
SE	1	10.00	
SN	1	5.00	
SR	1	17.00	
TI	0		
V	0		
ZN	1	7.00	
OC	1	163.00	
INC	1	0.60	
TC	1	164.00	
KJN	1	14.20	
VOL	1	39.00	

Nita Lake
Southern Cascade Mtns.
Mapsheet: 92 J02

Variable	N	Mean	Std Dev
AL	1	19.20	
AS	1	26.00	
B	1	1.00	
BA	1	71.00	
BE	1	1.00	
CA	1	4.10	
CD	1	1.00	
CO	1	15.00	
CR	1	280.00	
CU	1	830.00	
FE	1	401.00	
HG	1	0.05	
MG	1	149.00	
MN	1	824.00	
MO	1	13.00	
NI	1	20.00	
P	1	903.00	
PB	1	20.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	31.00	
TI	1	928.00	
V	1	42.00	
ZN	1	83.00	
OC	1	25.00	
INC	1	5.10	
TC	1	30.00	
KJN	1	1.00	
VOL	1	9.80	

Ormond Lake
Southern Cascade Mtns.
Mapsheet: 92 K04

Variable	N	Mean	Std Dev
AL	1	21.80	
AS	1	25.00	
B	0		
BA	1	38.00	
BE	0		
CA	1	4.56	
CD	1	1.00	
CO	1	13.00	
CR	1	220.00	
CU	1	500.00	
FE	1	97.00	
HG	1	0.44	
MG	1	13.40	
MN	1	130.00	
MO	1	13.00	
NI	1	14.00	
P	1	1380.00	
PB	1	65.00	
S	1	2920.00	
SE	1	10.00	
SN	1	5.00	
SR	1	19.00	
TI	0		
V	0		
ZN	1	37.00	
OC	1	207.00	
INC	1	1.60	
TC	1	209.00	
KJN	1	10.90	
VOL	1	49.00	

Placid Lake
Southern Cascade Mtns.
Mapsheet: 92 G07

Variable	N	Mean	Std Dev
AL	1	17.80	
AS	1	25.00	
B	1	1.00	
BA	1	53.00	
BE	1	1.00	
CA	1	5.26	
CD	1	1.00	
CO	1	10.00	
CR	1	80.00	
CU	1	230.00	
FE	1	68.00	
HG	1	0.21	
MG	1	8.00	
MN	1	41.00	
MO	1	16.00	
NI	1	10.00	
P	1	1150.00	
PB	1	41.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	23.00	
TI	1	344.00	
V	1	20.00	
ZN	1	31.00	
OC	1	155.00	
INC	1	2.00	
TC	1	157.00	
KJN	1	10.40	
VOL	1	39.50	

Rolley Lake
Southern Cascade Mtns.
Mapsheet: 92 G07

Variable	N	Mean	Std Dev
AL	1	22.40	
AS	1	30.00	
B	1	1.00	
BA	1	66.00	
BE	1	1.00	
CA	1	4.91	
CD	1	1.00	
CO	1	13.00	
CR	1	150.00	
CU	1	290.00	
FE	1	197.00	
HG	1	0.34	
MG	1	18.70	
MN	1	184.00	
MO	1	17.00	
NI	1	11.00	
P	1	1310.00	
PB	1	86.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	34.00	
TI	1	424.00	
V	1	52.00	
ZN	1	60.00	
OC	1	229.00	
INC	1	2.00	
TC	1	231.00	
KJN	1	11.30	
VOL	1	52.70	

Alpha Lake
Southern Cascade Mtns.
Mapsheet: 92 J02

Variable	N	Mean	Std Dev
AL	1	23.50	
AS	1	48.00	
B	1	1.00	
BA	1	92.00	
BE	1	1.00	
CA	1	4.90	
CD	1	1.00	
CO	1	24.00	
CR	1	420.00	
CU	1	880.00	
FE	1	563.00	
HG	1	0.10	
MG	1	166.00	
MN	1	703.00	
MO	1	23.00	
NI	1	19.00	
P	1	922.00	
PB	1	34.00	
S	0		
SE	1	14.00	
SN	1	5.00	
SR	1	42.00	
TI	1	926.00	
V	1	48.00	
ZN	1	136.00	
OC	1	82.00	
INC	1	4.60	
TC	1	87.00	
KJN	1	3.40	
VOL	1	21.90	

Alta Lake
Southern Cascade Mtns.
Mapsheet: 92 J02

Variable	N	Mean	Std Dev
AL	1	20.40	
AS	1	43.00	
B	1	34.00	
BA	1	255.00	
BE	1	1.00	
CA	1	5.30	
CD	1	1.00	
CO	1	27.00	
CR	1	560.00	
CU	1	850.00	
FE	1	785.00	
HG	1	0.14	
MG	1	91.90	
MN	1	4280.00	
MO	1	26.00	
NI	1	16.00	
P	1	1650.00	
PB	1	52.00	
S	0		
SE	1	19.00	
SN	1	5.00	
SR	1	66.00	
TI	1	646.00	
V	1	52.00	
ZN	1	225.00	
OC	1	71.00	
INC	1	3.90	
TC	1	75.00	
KJN	1	3.30	
VOL	1	24.00	

Blackwater Lake
Southern Cascade Mtns.
Mapsheet: 92 J10

Variable	N	Mean	Std Dev
AL	1	18.90	
AS	1	25.00	
B	0		
BA	1	173.00	
BE	0		
CA	1	5.21	
CD	1	1.00	
CO	1	13.00	
CR	1	670.00	
CU	1	940.00	
FE	1	564.00	
HG	1	0.08	
MG	1	129.00	
MN	1	583.00	
MO	1	17.00	
NI	1	39.00	
P	1	1350.00	
PB	1	24.00	
S	1	2630.00	
SE	1	14.00	
SN	1	5.00	
SR	1	21.00	
TI	0		
V	0		
ZN	1	74.00	
OC	1	40.00	
INC	1	2.80	
TC	1	43.00	
KJN	1	3.10	
VOL	1	10.00	

Brohm Lake
Southern Cascade Mtns.
Mapsheet: 92 G14

Variable	N	Mean	Std Dev
AL	1	12.00	
AS	1	29.00	
B	1	1.00	
BA	1	308.00	
BE	1	1.00	
CA	1	9.70	
CD	1	1.00	
CO	1	13.00	
CR	1	230.00	
CU	1	490.00	
FE	1	353.00	
HG	1	0.17	
MG	1	16.40	
MN	1	1910.00	
MO	1	18.00	
NI	1	8.00	
P	1	3480.00	
PB	1	27.00	
S	0		
SE	1	10.00	
SN	1	9.00	
SR	1	82.00	
TI	1	141.00	
V	1	42.00	
ZN	1	63.00	
OC	1	207.00	
INC	1	3.00	
TC	1	210.00	
KJN	1	14.30	
VOL	1	52.70	

Cheakamus Lake
Southern Cascade Mtns.
Mapsheet: 92 J02

Variable	N	Mean	Std Dev
AL	1	16.90	
AS	1	25.00	
B	1	1.00	
BA	1	188.00	
BE	1	1.00	
CA	1	6.80	
CD	1	1.00	
CO	1	12.00	
CR	1	190.00	
CU	1	850.00	
FE	1	249.00	
HG	1	0.05	
MG	1	87.90	
MN	1	615.00	
MO	1	6.00	
NI	1	19.00	
P	1	821.00	
PB	1	11.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	81.00	
TI	1	926.00	
V	1	57.00	
ZN	1	82.00	
OC	1	11.00	
INC	1	3.40	
TC	1	15.00	
KJN	1	0.30	
VOL	1	2.90	

Eunice Lake
Southern Cascade Mtns.
Mapsheet: 92 G07

Variable	N	Mean	Std Dev
AL	1	60.40	
AS	1	54.00	
B	1	1.00	
BA	1	64.00	
BE	1	1.00	
CA	1	5.45	
CD	1	1.00	
CO	1	10.00	
CR	1	170.00	
CU	1	940.00	
FE	1	191.00	
HG	1	0.35	
MG	1	41.00	
MN	1	248.00	
MO	1	36.00	
NI	1	11.00	
P	1	1900.00	
PB	1	62.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	35.00	
TI	1	750.00	
V	1	47.00	
ZN	1	68.00	
OC	1	154.00	
INC	1	4.50	
TC	1	159.00	
KJN	1	8.10	
VOL	1	48.50	

Comida Lake
Southern Cascade Mtns.
Mapsheet: 92 K04

Variable	N	Mean	Std Dev
AL	1	10.70	
AS	1	25.00	
B	0		
BA	1	21.00	
BE	0		
CA	1	3.92	
CD	1	1.00	
CO	1	10.00	
CR	1	210.00	
CU	1	270.00	
FE	1	81.00	
HG	1	0.21	
MG	1	6.60	
MN	1	100.00	
MO	1	4.00	
NI	1	14.00	
P	1	1030.00	
PB	1	70.00	
S	1	2490.00	
SE	1	10.00	
SN	1	5.00	
SR	1	18.00	
TI	0		
V	0		
ZN	1	34.00	
OC	1	151.00	
INC	1	5.30	
TC	1	156.00	
KJN	1	10.30	
VOL	1	37.40	

Fire Lake
Southern Cascade Mtns.
Mapsheet: 92 G16

Variable	N	Mean	Std Dev
AL	1	32.30	
AS	1	46.00	
B	1	1.00	
BA	1	43.00	
BE	1	1.00	
CA	1	16.90	
CD	1	2.00	
CO	1	38.00	
CR	1	120.00	
CU	1	1660.00	
FE	1	192.00	
HG	0		
MG	1	34.10	
MN	1	355.00	
MO	1	10.00	
NI	1	11.00	
P	1	1360.00	
PB	1	31.00	
S	0		
SE	1	17.00	
SN	1	5.00	
SR	1	92.00	
TI	1	274.00	
V	1	27.00	
ZN	1	462.00	
OC	0		
INC	0		
TC	1	197.00	
KJN	1	13.00	
VOL	1	45.60	

Glacier Lake
Southern Cascade Mtns.
Mapsheet: 92 G16

Variable	N	Mean	Std Dev
AL	1	18.90	
AS	1	27.00	
B	1	1.00	
BA	1	174.00	
BE	1	1.00	
CA	1	4.80	
CD	1	1.00	
CO	1	28.00	
CR	1	190.00	
CU	1	1120.00	
FE	1	337.00	
HG	1	0.08	
MG	1	103.00	
MN	1	508.00	
MO	1	14.00	
NI	1	13.00	
P	1	1040.00	
PB	1	25.00	
S	0		
SE	1	13.00	
SN	1	8.00	
SR	1	38.00	
TI	1	816.00	
V	1	67.00	
ZN	1	83.00	
OC	1	13.00	
INC	1	1.20	
TC	1	14.00	
KJN	1	0.80	
VOL	1	4.00	

Gray Lake
Southern Cascade Mtns.
Mapsheet: 92 K04

Variable	N	Mean	Std Dev
AL	1	15.10	
AS	1	63.00	
B	0		
BA	1	55.00	
BE	0		
CA	1	12.10	
CD	1	1.00	
CO	1	19.00	
CR	1	390.00	
CU	1	480.00	
FE	1	383.00	
HG	1	0.09	
MG	1	31.70	
MN	1	185.00	
MO	1	16.00	
NI	1	17.00	
P	1	653.00	
PB	1	21.00	
S	1	30200.00	
SE	1	10.00	
SN	1	10.00	
SR	1	54.00	
TI	0		
V	0		
ZN	1	44.00	
OC	1	174.00	
INC	1	2.20	
TC	1	176.00	
KJN	1	10.20	
VOL	1	39.80	

Gwendoline Lake
Southern Cascade Mtns.
Mapsheet: 92 G07

Variable	N	Mean	Std Dev
AL	1	28.40	
AS	1	33.00	
B	1	1.00	
BA	1	45.00	
BE	1	1.00	
CA	1	3.43	
CD	1	1.00	
CO	1	26.00	
CR	1	260.00	
CU	1	620.00	
FE	1	540.00	
HG	1	0.27	
MG	1	8.70	
MN	1	640.00	
MO	1	36.00	
NI	1	10.00	
P	1	1930.00	
PB	1	53.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	19.00	
TI	1	372.00	
V	1	27.00	
ZN	1	51.00	
OC	1	139.00	
INC	1	0.50	
TC	1	139.00	
KJN	1	8.50	
VOL	1	37.70	

Hayward Lake
Southern Cascade Mtns.
Mapsheet: 92 G01

Variable	N	Mean	Std Dev
AL	1	10.10	
AS	1	2.00	
B	0		
BA	1	41.00	
BE	0		
CA	1	2.52	
CD	1	1.00	
CO	1	10.00	
CR	1	170.00	
CU	1	150.00	
FE	1	98.00	
HG	1	0.05	
MG	1	32.90	
MN	1	202.00	
MO	1	5.00	
NI	1	11.00	
P	1	281.00	
PB	1	57.00	
S	1	337.00	
SE	1	10.00	
SN	1	14.00	
SR	1	17.00	
TI	0		
V	0		
ZN	1	23.00	
OC	1	7.00	
INC	1	4.70	
TC	1	12.00	
KJN	1	0.40	
VOL	1	2.80	

Twin Lake
Southern Cascade Mtns.
Mapsheet: 92 K04

Variable	N	Mean	Std Dev
AL	1	16.90	
AS	1	31.00	
B	0		
BA	1	18.00	
BE	0		
CA	1	5.04	
CD	1	1.00	
CO	1	26.00	
CR	1	370.00	
CU	1	580.00	
FE	1	295.00	
HG	1	0.34	
MG	1	26.70	
MN	1	580.00	
MO	1	14.00	
NI	1	24.00	
P	1	1190.00	
PB	1	125.00	
S	1	2070.00	
SE	1	10.00	
SN	1	9.00	
SR	1	11.00	
TI	0		
V	0		
ZN	1	94.00	
OC	1	147.00	
INC	1	500.00	
TC	1	147.00	
KJN	1	11.50	
VOL	1	36.80	

UBC #1
Southern Cascade Mtns.
Mapsheet: 92 G07

Variable	N	Mean	Std Dev
AL	1	9.49	
AS	1	25.00	
B	1	1.00	
BA	1	52.00	
BE	1	1.00	
CA	1	2.26	
CD	1	1.00	
CO	1	10.00	
CR	1	60.00	
CU	1	460.00	
FE	1	38.00	
HG	1	0.22	
MG	1	13.60	
MN	1	84.00	
MO	1	5.00	
NI	1	9.00	
P	1	587.00	
PB	1	32.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	23.00	
TI	1	154.00	
V	1	15.00	
ZN	1	33.00	
OC	1	196.00	
INC	1	4.70	
TC	1	201.00	
KJN	1	14.30	
VOL	1	44.50	

UBC #2
Southern Cascade Mtns.
Mapsheet: 92 G07

Variable	N	Mean	Std Dev
AL	1	7.48	
AS	1	25.00	
B	1	1.00	
BA	1	144.00	
BE	1	1.00	
CA	1	4.37	
CD	1	1.00	
CO	1	10.00	
CR	1	40.00	
CU	1	160.00	
FE	1	32.00	
HG	1	0.21	
MG	1	7.00	
MN	1	39.00	
MO	1	11.00	
NI	1	8.00	
P	1	565.00	
PB	1	45.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	33.00	
TI	1	171.00	
V	1	12.00	
ZN	1	28.00	
OC	1	272.00	
INC	1	1.40	
TC	1	273.00	
KJN	1	17.10	
VOL	1	62.00	

UBC #3
Southern Cascade Mtns.
Mapsheet: 92 G07

Variable	N	Mean	Std Dev
AL	1	16.40	
AS	1	25.00	
B	1	1.00	
BA	1	66.00	
BE	1	1.00	
CA	1	7.87	
CD	1	1.00	
CO	1	10.00	
CR	1	40.00	
CU	1	210.00	
FE	1	32.00	
HG	1	0.21	
MG	1	8.20	
MN	1	39.00	
MO	1	17.00	
NI	1	8.00	
P	1	1580.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	30.00	
TI	1	238.00	
V	1	25.00	
ZN	1	17.00	
OC	1	258.00	
INC	1	0.70	
TC	1	259.00	
KJN	1	15.20	
VOL	1	58.30	

Davis Lake
Northern Cascade Mtns.
Mapsheet: 103 I04

Variable	N	Mean	Std Dev
AL	1	20.90	
AS	1	1.00	
B	0		
BA	1	224.00	
BE	0		
CA	1	3.39	
CD	1	1.00	
CO	1	34.00	
CR	1	430.00	
CU	1	530.00	
FE	1	423.00	
HG	1	0.11	
MG	1	80.20	
MN	1	357.00	
MO	1	12.00	
NI	1	26.00	
P	1	1520.00	
PB	1	14.00	
S	1	1810.00	
SE	1	14.00	
SN	1	10.00	
SR	1	23.00	
TI	0		
V	0		
ZN	1	92.00	
OC	1	155.00	
INC	1	5.00	
TC	1	160.00	
KJN	1	7.60	
VOL	1	34.80	

Esclall Lake
Northern Cascade Mtns.
Mapsheet: 103 H11

Variable	N	Mean	Std Dev
AL	1	21.00	
AS	1	11.00	
B	0		
BA	1	115.00	
BE	0		
CA	1	3.34	
CD	1	1.00	
CO	1	42.00	
CR	1	620.00	
CU	1	890.00	
FE	1	532.00	
HG	1	0.06	
MG	1	137.00	
MN	1	611.00	
MO	1	11.00	
NI	1	35.00	
P	1	1090.00	
PB	1	24.00	
S	1	2520.00	
SE	1	26.00	
SN	1	6.00	
SR	1	13.00	
TI	0		
V	0		
ZN	1	80.00	
OC	1	87.00	
INC	1	2.20	
TC	1	89.00	
KJN	1	3.90	
VOL	1	19.10	

Hayward Lake
Northern Cascade Mtns.
Mapsheet: 103 I04

Variable	N	Mean	Std Dev
AL	1	27.30	
AS	1	1.00	
B	0		
BA	1	184.00	
BE	0		
CA	1	8.34	
CD	1	1.00	
CO	1	14.00	
CR	1	170.00	
CU	1	170.00	
FE	1	212.00	
HG	1	0.20	
MG	1	67.30	
MN	1	268.00	
MO	1	8.00	
NI	1	10.00	
P	1	2840.00	
PB	1	26.00	
S	1	1580.00	
SE	1	20.00	
SN	1	14.00	
SR	1	92.00	
TI	0		
V	0		
ZN	1	69.00	
OC	1	192.00	
INC	1	1.80	
TC	1	194.00	
KJN	1	10.90	
VOL	1	43.10	

Johnston Lake
Northern Cascade Mtns.
Mapsheet: 103 H14

Variable	N	Mean	Std Dev
AL	1	11.70	
AS	1	1.00	
B	0		
BA	1	312.00	
BE	0		
CA	1	3.83	
CD	1	1.00	
CO	1	20.00	
CR	1	290.00	
CU	1	360.00	
FE	1	264.00	
HG	1	0.05	
MG	1	96.80	
MN	1	271.00	
MO	1	7.00	
NI	1	18.00	
P	1	1290.00	
PB	1	13.00	
S	1	598.00	
SE	1	19.00	
SN	1	5.00	
SR	1	14.00	
TI	0		
V	0		
ZN	1	64.00	
OC	1	15.00	
INC	1	2.50	
TC	1	18.00	
KJN	1	0.70	
VOL	1	3.40	

Khtada Lake
Northern Cascade Mtns.
Mapsheet: 103 I03

Variable	N	Mean	Std Dev
AL	1	19.00	
AS	1	1.00	
B	0		
BA	1	307.00	
BE	0		
CA	1	4.05	
CD	1	1.00	
CO	1	41.00	
CR	1	650.00	
CU	1	730.00	
FE	1	499.00	
HG	1	0.08	
MG	1	96.40	
MN	1	519.00	
MO	1	22.00	
NI	1	23.00	
P	1	1570.00	
PB	1	26.00	
S	1	1030.00	
SE	1	21.00	
SN	1	5.00	
SR	1	18.00	
TI	0		
V	0		
ZN	1	69.00	
OC	1	63.00	
INC	1	7.60	
TC	1	71.00	
KJN	1	3.70	
VOL	1	15.90	

Lachmach Lake
Northern Cascade Mtns.
Mapsheet: 103 I05

Variable	N	Mean	Std Dev
AL	1	16.10	
AS	1	1.00	
B	0		
BA	1	298.00	
BE	0		
CA	1	4.28	
CD	1	1.00	
CO	1	13.00	
CR	1	200.00	
CU	1	110.00	
FE	1	218.00	
HG	1	0.09	
MG	1	71.60	
MN	1	197.00	
MO	1	4.00	
NI	1	8.00	
P	1	1640.00	
PB	1	15.00	
S	1	834.00	
SE	1	13.00	
SN	1	8.00	
SR	1	49.00	
TI	0		
V	0		
ZN	1	44.00	
OC	1	120.00	
INC	1	2.30	
TC	1	122.00	
KJN	1	6.80	
VOL	1	26.60	

Lakesle Lake
Northern Cascade Mtns.
Mapsheet: 103 I07

Variable	N	Mean	Std Dev
AL	1	29.10	
AS	1	58.00	
B	1	1.00	
BA	1	342.00	
BE	1	1.00	
CA	1	9.20	
CD	1	1.00	
CO	1	29.00	
CR	1	10.00	
CU	1	720.00	
FE	1	508.00	
HG	1	0.06	
MG	1	177.00	
MN	1	12.00	
MO	1	38.00	
NI	1	41.00	
P	1	1290.00	
PB	1	39.00	
S	0		
SE	1	10.00	
SN	1	17.00	
SR	1	112.00	
TI	1	1090.00	
V	1	100.00	
ZN	1	120.00	
OC	1	118.00	
INC	1	3.40	
TC	1	122.00	
KJN	1	1.80	
VOL	1	8.60	

Leverson Lake
Northern Cascade Mtns.
Mapsheet: 103 I05

Variable	N	Mean	Std Dev
AL	1	23.50	
AS	1	2.00	
B	0		
BA	1	298.00	
BE	0		
CA	1	5.25	
CD	1	1.00	
CO	1	18.00	
CR	1	340.00	
CU	1	320.00	
FE	1	432.00	
HG	1	0.16	
MG	1	74.50	
MN	1	254.00	
MO	1	10.00	
NI	1	14.00	
P	1	2470.00	
PB	1	29.00	
S	1	2170.00	
SE	1	16.00	
SN	1	21.00	
SR	1	49.00	
TI	0		
V	0		
ZN	1	55.00	
OC	1	171.00	
INC	1	1.80	
TC	1	173.00	
KJN	1	9.00	
VOL	1	38.50	

Lower Lake
Northern Cascade Mtns.
Mapsheet: 103 H11

Variable	N	Mean	Std Dev
AL	1	16.10	
AS	1	4.00	
B	0		
BA	1	192.00	
BE	0		
CA	1	2.75	
CD	1	1.00	
CO	1	20.00	
CR	1	320.00	
CU	1	570.00	
FE	1	320.00	
HG	1	0.05	
MG	1	105.00	
MN	1	315.00	
MO	1	6.00	
NI	1	19.00	
P	1	846.00	
PB	1	11.00	
S	1	617.00	
SE	1	10.00	
SN	1	5.00	
SR	1	13.00	
TI	0		
V	0		
ZN	1	64.00	
OC	1	45.00	
INC	1	1.10	
TC	1	46.00	
KJN	1	2.20	
VOL	1	10.90	

Marion Lake
Northern Cascade Mtns.
Mapsheet: 103 J08

Variable	N	Mean	Std Dev
AL	1	17.70	
AS	1	1.00	
B	0		
BA	1	403.00	
BE	0		
CA	1	4.54	
CD	1	1.00	
CO	1	25.00	
CR	1	370.00	
CU	1	300.00	
FE	1	328.00	
HG	1	0.07	
MG	1	120.00	
MN	1	335.00	
MO	1	10.00	
NI	1	17.00	
P	1	1740.00	
PB	1	14.00	
S	1	872.00	
SE	1	19.00	
SN	1	8.00	
SR	1	26.00	
TI	0		
V	0		
ZN	1	79.00	
OC	1	51.00	
INC	1	2.20	
TC	1	53.00	
KJN	1	2.70	
VOL	1	13.40	

Onion Lake
Northern Cascade Mtns.
Mapsheet: 103 I07

Variable	N	Mean	Std Dev
AL	1	8.90	
AS	1	23.00	
B	1	1.00	
BA	1	65.00	
BE	1	1.00	
CA	1	2.20	
CD	1	1.00	
CO	1	10.00	
CR	1	190.00	
CU	1	180.00	
FE	1	103.00	
HG	1	0.08	
MG	1	23.80	
MN	1	796.00	
MO	1	4.00	
NI	1	6.00	
P	1	1470.00	
PB	1	16.00	
S	0		
SE	1	10.00	
SN	1	13.00	
SR	1	22.00	
TI	1	349.00	
V	1	25.00	
ZN	1	44.00	
OC	1	193.00	
INC	1	0.50	
TC	1	198.00	
KJN	1	13.80	
VOL	1	45.80	

Sarah Lake
Northern Cascade Mtns.
Mapsheet: 103 J08

Variable	N	Mean	Std Dev
AL	1	16.90	
AS	1	1.00	
B	0		
BA	1	252.00	
BE	0		
CA	1	3.48	
CD	1	1.00	
CO	1	20.00	
CR	1	260.00	
CU	1	250.00	
FE	1	211.00	
HG	1	0.12	
MG	1	62.20	
MN	1	186.00	
MO	1	7.00	
NI	1	13.00	
P	1	1380.00	
PB	1	14.00	
S	1	792.00	
SE	1	11.00	
SN	1	5.00	
SR	1	36.00	
TI	0		
V	0		
ZN	1	44.00	
OC	1	141.00	
INC	1	2.10	
TC	1	143.00	
KJN	1	5.90	
VOL	1	29.80	

Boss Lake
Southern Interior Plateau
Mapsheet: 92 H15

Variable	N	Mean	Std Dev
AL	1	10.50	
AS	1	26.00	
B	1	1.00	
BA	1	392.00	
BE	1	1.00	
CA	1	18.70	
CD	1	1.00	
CO	1	10.00	
CR	1	180.00	
CU	1	760.00	
FE	1	414.00	
HG	1	0.11	
MG	1	28.60	
MN	1	4380.00	
MO	1	13.00	
NI	1	14.00	
P	1	3340.00	
PB	1	12.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	84.00	
TI	1	20.00	
V	1	55.00	
ZN	1	62.00	
OC	1	195.00	
INC	1	4.70	
TC	1	200.00	
KJN	1	16.50	
VOL	1	45.50	

Bowers Lake
Southern Interior Plateau
Mapsheet: 92 P10

Variable	N	Mean	Std Dev
AL	1	24.50	
AS	1	25.00	
B	1	44.00	
BA	1	200.00	
BE	1	1.00	
CA	1	9.30	
CD	1	1.00	
CO	1	22.00	
CR	1	860.00	
CU	1	830.00	
FE	1	462.00	
HG	1	0.26	
MG	1	92.30	
MN	1	2320.00	
MO	1	37.00	
NI	1	40.00	
P	1	1520.00	
PB	1	35.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	71.00	
TI	1	471.00	
V	1	58.00	
ZN	1	117.00	
OC	1	52.00	
INC	1	2.00	
TC	1	54.00	
KJN	1	5.60	
VOL	1	18.30	

Choelquoit Lake
Southern Interior Plateau
Mapsheet: 92 N09

Variable	N	Mean	Std Dev
AL	1	10.50	
AS	1	25.00	
B	1	19.00	
BA	1	88.00	
BE	1	1.00	
CA	1	183.00	
CD	1	1.00	
CO	1	10.00	
CR	1	90.00	
CU	1	100.00	
FE	1	80.00	
HG	1	0.05	
MG	1	79.90	
MN	1	472.00	
MO	1	1.00	
NI	1	5.00	
P	1	603.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	11.00	
SR	1	584.00	
TI	1	112.00	
V	1	14.00	
ZN	1	23.00	
OC	1	79.00	
INC	1	61.00	
TC	1	140.00	
KJN	1	8.40	
VOL	1	21.70	

Cow Lake
Southern Interior Plateau
Mapsheet: 92 O10

Variable	N	Mean	Std Dev
AL	1	8.05	
AS	1	3.00	
B	0		
BA	1	58.00	
BE	0		
CA	1	8.76	
CD	1	1.00	
CO	1	10.00	
CR	1	160.00	
CU	1	340.00	
FE	1	197.00	
HG	1	0.07	
MG	1	25.40	
MN	1	471.00	
MO	1	10.00	
NI	1	11.00	
P	1	1340.00	
PB	1	24.00	
S	1	12100.00	
SE	1	17.00	
SN	1	10.00	
SR	1	29.00	
TI	0		
V	0		
ZN	1	38.00	
OC	1	165.00	
INC	1	7.30	
TC	1	172.00	
KJN	1	14.70	
VOL	1	37.00	

Crown Lake
Southern Interior Plateau
Mapsheet: 92 I13

Variable	N	Mean	Std Dev
AL	1	7.61	
AS	1	25.00	
B	1	1.00	
BA	1	197.00	
BE	1	1.00	
CA	1	214.00	
CD	1	1.00	
CO	1	10.00	
CR	1	240.00	
CU	1	260.00	
FE	1	168.00	
HG	1	0.13	
MG	1	56.60	
MN	1	315.00	
MO	1	10.00	
NI	1	16.00	
P	1	924.00	
PB	1	19.00	
S	0		
SE	1	17.00	
SN	1	9.00	
SR	1	156.00	
TI	1	242.00	
V	1	25.00	
ZN	1	64.00	
OC	1	140.00	
INC	1	4.90	
TC	1	145.00	
KJN	1	8.50	
VOL	1	24.40	

Davis Lake
Southern Interior Plateau
Mapsheet: 92 H15

Variable	N	Mean	Std Dev
AL	1	3.88	
AS	1	39.00	
B	1	52.00	
BA	1	422.00	
BE	1	1.00	
CA	1	24.80	
CD	1	6.00	
CO	1	10.00	
CR	1	950.00	
CU	1	430.00	
FE	1	1280.00	
HG	1	0.05	
MG	1	15.30	
MN	1	5130.00	
MO	1	14.00	
NI	1	10.00	
P	1	6330.00	
PB	1	29.00	
S	0		
SE	1	24.00	
SN	1	15.00	
SR	1	106.00	
TI	1	12.00	
V	1	46.00	
ZN	1	35.00	
OC	1	186.00	
INC	1	3.90	
TC	1	190.00	
KJN	1	15.30	
VOL	1	48.80	

Elkin Lake
Southern Interior Plateau
Mapsheet: 92 O12

Variable	N	Mean	Std Dev
AL	1	19.80	
AS	1	24.00	
B	1	13.00	
BA	1	123.00	
BE	1	1.00	
CA	1	8.20	
CD	1	1.00	
CO	1	10.00	
CR	1	510.00	
CU	1	500.00	
FE	1	304.00	
HG	1	0.52	
MG	1	83.00	
MN	1	636.00	
MO	1	25.00	
NI	1	34.00	
P	1	964.00	
PB	1	17.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	58.00	
TI	1	45.00	
V	1	54.00	
ZN	1	71.00	
OC	1	84.00	
INC	1	0.50	
TC	1	84.00	
KJN	1	9.00	
VOL	1	25.60	

Finney Lake
Southern Interior Plateau
Mapsheet: 92 I13

Variable	N	Mean	Std Dev
AL	1	11.00	
AS	1	25.00	
B	1	1.00	
BA	1	159.00	
BE	1	1.00	
CA	1	39.70	
CD	1	1.00	
CO	1	11.00	
CR	1	250.00	
CU	1	700.00	
FE	1	208.00	
HG	1	0.09	
MG	1	64.50	
MN	1	716.00	
MO	1	11.00	
NI	1	23.00	
P	1	736.00	
PB	1	19.00	
S	0		
SE	1	11.00	
SN	1	23.00	
SR	1	144.00	
TI	1	357.00	
V	1	40.00	
ZN	1	51.00	
OC	1	179.00	
INC	1	7.10	
TC	1	186.00	
KJN	1	15.90	
VOL	1	43.80	

Fletcher Lake
Southern Interior Plateau
Mapsheet: 92 O14

Variable	N	Mean	Std Dev
AL	1	1.80	
AS	1	24.00	
B	1	29.00	
BA	1	84.00	
BE	1	1.00	
CA	1	85.60	
CD	1	1.00	
CO	1	10.00	
CR	1	360.00	
CU	1	90.00	
FE	1	81.00	
HG	1	0.35	
MG	1	49.70	
MN	1	526.00	
MO	1	3.00	
NI	1	16.00	
P	1	874.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	372.00	
TI	1	77.00	
V	1	31.00	
ZN	1	14.00	
OC	1	222.00	
INC	1	20.00	
TC	1	242.00	
KJN	1	20.90	
VOL	1	48.20	

Frisken Lake
Southern Interior Plateau
Mapsheet: 92 I08

Variable	N	Mean	Std Dev
AL	1	30.16	
AS	1	1.00	
B	0		
BA	1	56.00	
BE	0		
CA	1	5.28	
CD	1	1.00	
CO	1	21.00	
CR	1	100.00	
CU	1	430.00	
FE	1	620.00	
HG	1	0.16	
MG	1	101.60	
MN	1	423.00	
MO	1	8.00	
NI	1	22.00	
P	1	1020.00	
PB	1	11.00	
S	1	1025.00	
SE	1	20.00	
SN	0		
SR	1	14.00	
TI	0		
V	1	11.00	
ZN	1	42.00	
OC	1	146.00	
INC	1	3.20	
TC	1	149.00	
KJN	1	3.20	
VOL	1	22.30	

Hawkins Lake
Southern Interior Plateau
Mapsheet: 92 P15

Variable	N	Mean	Std Dev
AL	1	16.10	
AS	1	25.00	
B	1	7.00	
BA	1	220.00	
BE	1	1.00	
CA	1	9.70	
CD	1	1.00	
CO	1	10.00	
CR	1	660.00	
CU	1	730.00	
FE	1	349.00	
HG	1	0.39	
MG	1	85.50	
MN	1	510.00	
MO	1	21.00	
NI	1	47.00	
P	1	969.00	
PB	1	19.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	67.00	
TI	1	340.00	
V	1	47.00	
ZN	1	79.00	
OC	1	140.00	
INC	1	0.50	
TC	1	140.00	
KJN	1	12.20	
VOL	1	32.60	

Horne Lake, Upper
Southern Interior Plateau
Mapsheet: 82 E05

Variable	N	Mean	Std Dev
AL	1	5.60	
AS	1	25.00	
B	1	1.00	
BA	1	127.00	
BE	1	1.00	
CA	1	111.00	
CD	1	1.00	
CO	1	10.00	
CR	1	150.00	
CU	1	410.00	
FE	1	105.00	
HG	1	0.10	
MG	1	44.20	
MN	1	741.00	
MO	1	10.00	
NI	1	13.00	
P	1	1040.00	
PB	1	240.00	
S	0		
SE	1	10.00	
SN	1	19.00	
SR	1	1480.00	
TI	1	75.00	
V	1	45.00	
ZN	1	58.00	
OC	1	110.00	
INC	1	27.00	
TC	1	137.00	
KJN	1	9.80	
VOL	1	26.60	

Horse Lake
Southern Interior Plateau
Mapsheet: 92 P11

Variable	N	Mean	Std Dev
AL	1	9.57	
AS	1	24.00	
B	1	12.00	
BA	1	122.00	
BE	1	1.00	
CA	1	25.80	
CD	1	1.00	
CO	1	10.00	
CR	1	450.00	
CU	1	360.00	
FE	1	206.00	
HG	1	0.38	
MG	1	75.20	
MN	1	481.00	
MO	1	15.00	
NI	1	34.00	
P	1	1230.00	
PB	1	11.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	97.00	
TI	1	395.00	
V	1	33.00	
ZN	1	49.00	
OC	1	104.00	
INC	1	5.40	
TC	1	109.00	
KJN	1	12.70	
VOL	1	27.20	

King Lake, East
Southern Interior Plateau
Mapsheet: 92 P10

Variable	N	Mean	Std Dev
AL	1	13.60	
AS	1	25.00	
B	1	1.00	
BA	1	138.00	
BE	1	1.00	
CA	1	11.70	
CD	1	1.00	
CO	1	10.00	
CR	1	320.00	
CU	1	1010.00	
FE	1	230.00	
HG	1	0.19	
MG	1	40.00	
MN	1	712.00	
MO	1	18.00	
NI	1	33.00	
P	1	977.00	
PB	1	15.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	72.00	
TI	1	380.00	
V	1	50.00	
ZN	1	66.00	
OC	1	252.00	
INC	1	3.00	
TC	1	255.00	
KJN	1	17.80	
VOL	1	56.00	

King Lake, West
Southern Interior Plateau
Mapsheet: 92 P10

Variable	N	Mean	Std Dev
AL	1	12.60	
AS	1	25.00	
B	1	1.00	
BA	1	123.00	
BE	1	1.00	
CA	1	13.00	
CD	1	1.00	
CO	1	10.00	
CR	1	300.00	
CU	1	990.00	
FE	1	169.00	
HG	1	0.90	
MG	1	36.50	
MN	1	802.00	
MO	1	17.00	
NI	1	39.00	
P	1	1020.00	
PB	1	13.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	69.00	
TI	1	488.00	
V	1	40.00	
ZN	1	73.00	
OC	1	286.00	
INC	1	3.50	
TC	1	290.00	
KJN	1	22.10	
VOL	1	61.40	

Lac de Roche Lake
Southern Interior Plateau
Mapsheet: 92 P10

Variable	N	Mean	Std Dev
AL	1	14.10	
AS	1	1.00	
B	0		
BA	1	230.00	
BE	0		
CA	1	6.29	
CD	1	1.00	
CO	1	14.00	
CR	1	100.00	
CU	1	140.00	
FE	1	206.00	
HG	1	0.24	
MG	1	71.60	
MN	1	142.00	
MO	1	3.00	
NI	1	7.00	
P	1	1820.00	
PB	1	14.00	
S	1	1060.00	
SE	1	18.00	
SN	0		
SR	1	43.00	
TI	0		
V	1	10.00	
ZN	1	41.00	
OC	1	98.00	
INC	1	6.00	
TC	1	104.00	
KJN	1	6.30	
VOL	1	32.80	

Laird Lake
Southern Interior Plateau
Mapsheet: 92 H10

Variable	N	Mean	Std Dev
AL	1	12.60	
AS	1	34.00	
B	1	1.00	
BA	1	149.00	
BE	1	1.00	
CA	1	87.80	
CD	1	1.00	
CO	1	14.00	
CR	1	250.00	
CU	1	700.00	
FE	1	302.00	
HG	1	0.06	
MG	1	79.80	
MN	1	770.00	
MO	1	16.00	
NI	1	12.00	
P	1	670.00	
PB	1	25.00	
S	0		
SE	1	12.00	
SN	1	8.00	
SR	1	138.00	
TI	1	19.00	
V	1	40.00	
ZN	1	135.00	
OC	1	60.00	
INC	1	24.00	
TC	1	84.00	
KJN	1	5.10	
VOL	1	16.60	

Lang Lake
Southern Interior Plateau
Mapsheet: 92 P14

Variable	N	Mean	Std Dev
AL	1	24.70	
AS	1	25.00	
B	1	23.00	
BA	1	340.00	
BE	1	1.00	
CA	1	7.00	
CD	1	1.00	
CO	1	10.00	
CR	1	680.00	
CU	1	380.00	
FE	1	419.00	
HG	1	0.21	
MG	1	61.30	
MN	1	1930.00	
MO	1	35.00	
NI	1	33.00	
P	1	1760.00	
PB	1	30.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	77.00	
TI	1	455.00	
V	1	52.00	
ZN	1	68.00	
OC	1	54.00	
INC	1	1.30	
TC	1	55.00	
KJN	1	5.30	
VOL	1	20.30	

Lesser Fish Lake
Southern Interior Plateau
Mapsheet: 92 P10

Variable	N	Mean	Std Dev
AL	1	2.53	
AS	1	13.00	
B	1	16.00	
BA	1	30.00	
BE	1	1.00	
CA	1	14.00	
CD	1	2.00	
CO	1	10.00	
CR	1	60.00	
CU	1	320.00	
FE	1	62.00	
HG	0		
MG	1	20.90	
MN	1	84.00	
MO	1	16.00	
NI	1	20.00	
P	1	1090.00	
PB	1	26.00	
S	0		
SE	1	12.00	
SN	1	10.00	
SR	1	68.00	
TI	1	192.00	
V	1	14.00	
ZN	1	28.00	
OC	0		
INC	0		
TC	1	365.00	
KJN	1	41.50	
VOL	1	84.80	

Loch Lomond Lake
Southern Interior Plateau
Mapsheet: 92 P06

Variable	N	Mean	Std Dev
AL	1	6.26	
AS	1	25.00	
B	1	50.00	
BA	1	44.00	
BE	1	1.00	
CA	1	61.50	
CD	1	1.00	
CO	1	10.00	
CR	1	10.00	
CU	1	150.00	
FE	1	114.00	
HG	1	0.05	
MG	1	856.00	
MN	1	381.00	
MO	1	1.00	
NI	1	31.00	
P	1	622.00	
PB	1	12.00	
S	0		
SE	1	10.00	
SN	1	15.00	
SR	1	142.00	
TI	1	233.00	
V	1	17.00	
ZN	1	28.00	
OC	1	97.00	
INC	1	15.60	
TC	1	113.00	
KJN	1	6.10	
VOL	1	29.60	

McCaffrey Lake
Southern Interior Plateau
Mapsheet: 92 H10

Variable	N	Mean	Std Dev
AL	1	7.30	
AS	1	26.00	
B	1	1.00	
BA	1	154.00	
BE	1	1.00	
CA	1	208.00	
CD	1	1.00	
CO	1	13.00	
CR	1	130.00	
CU	1	370.00	
FE	1	135.00	
HG	1	0.09	
MG	1	53.00	
MN	1	580.00	
MO	1	10.00	
NI	1	7.00	
P	1	562.00	
PB	1	23.00	
S	0		
SE	1	16.00	
SN	1	14.00	
SR	1	287.00	
TI	1	22.00	
V	1	20.00	
ZN	1	54.00	
OC	1	98.00	
INC	1	53.00	
TC	1	151.00	
KJN	1	7.30	
VOL	1	23.50	

Nickel Plate Lake
Southern Interior Plateau
Mapsheet: 82 E05

Variable	N	Mean	Std Dev
AL	1	14.20	
AS	1	171.00	
B	1	142.00	
BA	1	355.00	
BE	1	2.00	
CA	1	3.90	
CD	1	6.00	
CO	1	28.00	
CR	1	1200.00	
CU	1	460.00	
FE	1	1190.00	
HG	1	0.16	
MG	1	9.30	
MN	1	9660.00	
MO	1	87.00	
NI	1	36.00	
P	1	1170.00	
PB	1	47.00	
S	0		
SE	1	36.00	
SN	1	13.00	
SR	1	22.00	
TI	1	191.00	
V	1	87.00	
ZN	1	217.00	
OC	1	88.00	
INC	1	0.90	
TC	1	89.00	
KJN	1	5.50	
VOL	1	28.30	

Nipet Lake
Southern Interior Plateau
Mapsheet: 82 E05

Variable	N	Mean	Std Dev
AL	1	5.29	
AS	1	25.00	
B	1	1.00	
BA	1	79.00	
BE	1	1.00	
CA	1	36.90	
CD	1	1.00	
CO	1	10.00	
CR	1	150.00	
CU	1	500.00	
FE	1	106.00	
HG	1	0.06	
MG	1	47.90	
MN	1	179.00	
MO	1	15.00	
NI	1	14.00	
P	1	1490.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	14.00	
SR	1	642.00	
TI	1	210.00	
V	1	57.00	
ZN	1	47.00	
OC	1	193.00	
INC	1	8.90	
TC	1	202.00	
KJN	1	19.60	
VOL	1	44.20	

Okanagan Lake
Southern Interior Plateau
Mapsheet: 82 L03

Variable	N	Mean	Std Dev
AL	1	11.80	
AS	1	3.00	
B	0		
BA	1	83.00	
BE	0		
CA	1	5.73	
CD	1	1.00	
CO	1	13.00	
CR	1	450.00	
CU	1	500.00	
FE	1	227.00	
HG	1	0.08	
MG	1	87.30	
MN	1	202.00	
MO	1	7.00	
NI	1	33.00	
P	1	772.00	
PB	1	30.00	
S	1	6130.00	
SE	1	14.00	
SN	1	8.00	
SR	1	43.00	
TI	0		
V	0		
ZN	1	84.00	
OC	1	42.00	
INC	1	7.40	
TC	1	50.00	
KJN	1	4.30	
VOL	1	10.50	

One 108 Mile Lake
Southern Interior Plateau
Mapsheet: 92 P11

Variable	N	Mean	Std Dev
AL	1	5.60	
AS	1	25.00	
B	1	44.00	
BA	1	98.00	
BE	1	1.00	
CA	1	130.00	
CD	1	1.00	
CO	1	10.00	
CR	1	140.00	
CU	1	190.00	
FE	1	86.00	
HG	1	0.06	
MG	1	142.00	
MN	1	429.00	
MO	1	8.00	
NI	1	9.00	
P	1	956.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	10.00	
SR	1	961.00	
TI	1	180.00	
V	1	25.00	
ZN	1	30.00	
OC	1	140.00	
INC	1	38.00	
TC	1	178.00	
KJN	1	11.50	
VOL	1	35.80	

One Thirty Mile Lake
Southern Interior Plateau
Mapsheet: 92 P13

Variable	N	Mean	Std Dev
AL	1	4.24	
AS	1	5.00	
B	0		
BA	1	52.00	
BE	0		
CA	1	8.65	
CD	1	1.00	
CO	1	10.00	
CR	1	210.00	
CU	1	240.00	
FE	1	134.00	
HG	1	0.07	
MG	1	55.70	
MN	1	74.00	
MO	1	7.00	
NI	1	30.00	
P	1	956.00	
PB	1	16.00	
S	1	12300.00	
SE	1	10.00	
SN	1	6.00	
SR	1	64.00	
TI	0		
V	0		
ZN	1	34.00	
OC	1	225.00	
INC	1	1.50	
TC	1	226.00	
KJN	1	17.00	
VOL	1	52.40	

Paul Lake
Southern Interior Plateau
Mapsheet: 92 I09

Variable	N	Mean	Std Dev
AL	1	5.30	
AS	1	25.00	
B	0		
BA	1	131.00	
BE	0		
CA	1	214.00	
CD	1	1.00	
CO	1	10.00	
CR	1	160.00	
CU	1	330.00	
FE	1	3.00	
HG	1	0.05	
MG	1	51.20	
MN	1	1520.00	
MO	1	10.00	
NI	1	19.00	
P	1	945.00	
PB	1	23.00	
S	1	13200.00	
SE	1	10.00	
SN	1	16.00	
SR	1	409.00	
TI	0		
V	0		
ZN	1	37.00	
OC	1	94.00	
INC	1	47.30	
TC	1	141.00	
KJN	1	7.30	
VOL	1	20.30	

Pavillion Lake
Southern Interior Plateau
Mapsheet: 92 I13

Variable	N	Mean	Std Dev
AL	1	1.64	
AS	1	25.00	
B	1	1.00	
BA	1	139.00	
BE	1	1.00	
CA	1	361.00	
CD	1	1.00	
CO	1	10.00	
CR	1	70.00	
CU	1	130.00	
FE	1	35.00	
HG	1	0.05	
MG	1	47.10	
MN	1	266.00	
MO	1	7.00	
NI	1	7.00	
P	1	234.00	
PB	1	18.00	
S	0		
SE	1	17.00	
SN	1	13.00	
SR	1	311.00	
TI	1	17.00	
V	1	7.00	
ZN	1	24.00	
OC	1	19.00	
INC	1	100.00	
TC	1	119.00	
KJN	1	3.00	
VOL	1	9.00	

Pinantan Lake
Southern Interior Plateau
Mapsheet: 92 I09

Variable	N	Mean	Std Dev
AL	1	2.15	
AS	1	25.00	
B	C		
BA	1	85.00	
BE	0		
CA	1	86.20	
CD	1	1.00	
CO	1	10.00	
CR	1	110.00	
CU	1	470.00	
FE	1	81.00	
HG	1	0.11	
MG	1	26.50	
MN	1	1470.00	
MO	1	32.00	
NI	1	22.00	
P	1	1130.00	
PB	1	35.00	
S	1	13400.00	
SE	1	10.00	
SN	1	9.00	
SR	1	244.00	
TI	0		
V	0		
ZN	1	64.00	
OC	1	154.00	
INC	1	16.90	
TC	1	171.00	
KJN	1	14.50	
VOL	1	34.60	

Roe Lake
Southern Interior Plateau
Mapsheet: 92 P10

Variable	N	Mean	Std Dev
AL	1	7.22	
AS	1	9.00	
B	0		
BA	1	173.00	
BE	0		
CA	1	10.30	
CD	1	1.00	
CO	1	13.00	
CR	1	260.00	
CU	1	320.00	
FE	1	285.00	
HG	1	0.07	
MG	1	46.10	
MN	1	1270.00	
MO	1	14.00	
NI	1	23.00	
P	1	1230.00	
PB	1	16.00	
S	1	8880.00	
SE	1	14.00	
SN	1	9.00	
SR	1	55.00	
TI	0		
V	0		
ZN	1	51.00	
OC	1	145.00	
INC	1	1.60	
TC	1	147.00	
KJN	1	15.10	
VOL	1	33.90	

Salmon Lake
Southern Interior Plateau
Mapsheet: 92 I08

Variable	N	Mean	Std Dev
AL	1	13.40	
AS	1	25.00	
B	0		
BA	1	133.00	
BE	0		
CA	1	6.88	
CD	1	1.00	
CO	1	14.00	
CR	1	410.00	
CU	1	250.00	
FE	1	165.00	
HG	1	0.07	
MG	1	55.80	
MN	1	383.00	
MO	1	13.00	
NI	1	34.00	
P	1	1190.00	
PB	1	28.00	
S	1	5770.00	
SE	1	10.00	
SN	1	8.00	
SR	1	70.00	
TI	0		
V	0		
ZN	1	43.00	
OC	1	121.00	
INC	1	0.50	
TC	1	121.00	
KJN	1	12.50	
VOL	1	28.50	

Sapeye Lake
Southern Interior Plateau
Mapsheet: 92 N15

Variable	N	Mean	Std Dev
AL	1	19.20	
AS	1	29.00	
B	1	31.00	
BA	1	153.00	
BE	1	1.00	
CA	1	8.40	
CD	1	1.00	
CO	1	13.00	
CR	1	480.00	
CU	1	500.00	
FE	1	468.00	
HG	1	0.18	
MG	1	80.80	
MN	1	3140.00	
MO	1	29.00	
NI	1	19.00	
P	1	1020.00	
PB	1	34.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	40.00	
TI	1	19.00	
V	1	41.00	
ZN	1	72.00	
OC	1	61.00	
INC	1	1.70	
TC	1	63.00	
KJN	1	7.20	
VOL	1	18.80	

Shumway Lake
Southern Interior Plateau
Mapsheet: 92 I09

Variable	N	Mean	Std Dev
AL	1	10.60	
AS	1	25.00	
B	0		
BA	1	178.00	
BE	0		
CA	1	106.00	
CD	1	1.00	
CO	1	16.00	
CR	1	550.00	
CU	1	520.00	
FE	1	173.00	
HG	1	0.05	
MG	1	190.00	
MN	1	647.00	
MO	1	14.00	
NI	1	65.00	
P	1	1670.00	
PB	1	33.00	
S	1	7580.00	
SE	1	19.00	
SN	1	17.00	
SR	1	510.00	
TI	0		
V	0		
ZN	1	26.00	
OC	1	58.00	
INC	1	28.10	
TC	1	86.00	
KJN	1	7.50	
VOL	1	15.30	

Skaha Lake
Southern Interior Plateau
Mapsheet: 82 E05

Variable	N	Mean	Std Dev
AL	1	9.84	
AS	1	4.00	
B	0		
BA	1	175.00	
BE	0		
CA	1	6.24	
CD	1	1.00	
CO	1	24.00	
CR	1	370.00	
CU	1	340.00	
FE	1	224.00	
HG	1	0.05	
MG	1	58.20	
MN	1	1090.00	
MO	1	15.00	
NI	1	21.00	
P	1	1610.00	
PB	1	32.00	
S	1	5410.00	
SE	1	17.00	
SN	1	7.00	
SR	1	64.00	
TI	0		
V	0		
ZN	1	75.00	
OC	1	45.00	
INC	1	12.00	
TC	1	57.00	
KJN	1	6.10	
VOL	1	13.70	

Snag Lake
Southern Interior Plateau
Mapsheet: 92 P15

Variable	N	Mean	Std Dev
AL	1	1.02	
AS	1	25.00	
B	0		
BA	1	33.00	
BE	0		
CA	1	96.10	
CD	1	1.00	
CO	1	10.00	
CR	1	50.00	
CU	1	60.00	
FE	1	677.00	
HG	1	0.08	
MG	1	134.00	
MN	1	2270.00	
MO	1	3.00	
NI	1	17.00	
P	1	740.00	
PB	1	10.00	
S	1	2950.00	
SE	1	10.00	
SN	0		
SR	1	87.00	
TI	0		
V	1	6.00	
ZN	1	40.00	
OC	1	198.00	
INC	1	23.30	
TC	1	221.00	
KJN	1	18.00	
VOL	1	47.70	

Sneezie Lake
Southern Interior Plateau
Mapsheet: 92 P14

Variable	N	Mean	Std Dev
AL	1	9.52	
AS	1	25.00	
B	1	1.00	
BA	1	517.00	
BE	1	1.00	
CA	1	102.00	
CD	1	1.00	
CO	1	10.00	
CR	1	250.00	
CU	1	530.00	
FE	1	198.00	
HG	0		
MG	1	44.50	
MN	1	785.00	
MO	1	14.00	
NI	1	27.00	
P	1	990.00	
PB	1	30.00	
S	0		
SE	1	20.00	
SN	1	18.00	
SR	1	458.00	
TI	1	242.00	
V	1	47.00	
ZN	1	35.00	
OC	1	149.00	
INC	1	23.00	
TC	1	172.00	
KJN	1	13.00	
VOL	1	32.00	

Squirrel Lake
Southern Interior Plateau
Mapsheet: 92 P15

Variable	N	Mean	Std Dev
AL	1	5.81	
AS	1	25.00	
B	0		
BA	1	40.00	
BE	0		
CA	1	17.70	
CD	1	1.00	
CO	1	10.00	
CR	1	110.00	
CU	1	460.00	
FE	1	147.00	
HG	1	0.09	
MG	1	19.80	
MN	1	822.00	
MO	1	8.00	
NI	1	15.00	
P	1	770.00	
PB	1	10.00	
S	1	26200.00	
SE	1	20.00	
SN	0		
SR	1	51.00	
TI	0		
V	1	15.00	
ZN	1	66.00	
OC	1	343.00	
INC	1	2.10	
TC	1	345.00	
KJN	1	23.30	
VOL	1	71.10	

Stocking Lake
Southern Interior Plateau
Mapsheet: 92 B13

Variable	N	Mean	Std Dev
AL	1	12.60	
AS	1	5.00	
B	0		
BA	1	59.00	
BE	0		
CA	1	6.93	
CD	1	1.00	
CO	1	10.00	
CR	1	130.00	
CU	1	320.00	
FE	1	57.00	
HG	1	0.14	
MG	1	6.30	
MN	1	339.00	
MO	1	14.00	
NI	1	8.00	
P	1	2400.00	
PB	1	10.00	
S	1	2950.00	
SE	1	10.00	
SN	1	5.00	
SR	1	25.00	
TI	0		
V	0		
ZN	1	30.00	
OC	1	190.00	
INC	1	3.00	
TC	1	193.00	
KJN	1	13.30	
VOL	1	43.60	

Stump Lake
Southern Interior Plateau
Mapsheet: 92 I08

Variable	N	Mean	Std Dev
AL	1	4.87	
AS	1	25.00	
B	0		
BA	1	195.00	
BE	0		
CA	1	209.00	
CD	1	5.00	
CO	1	10.00	
CR	1	140.00	
CU	1	270.00	
FE	1	86.00	
HG	1	0.09	
MG	1	105.00	
MN	1	499.00	
MO	1	17.00	
NI	1	14.00	
P	1	1380.00	
PB	1	89.00	
S	1	5530.00	
SE	1	12.00	
SN	1	18.00	
SR	1	1180.00	
TI	0		
V	0		
ZN	1	266.00	
OC	1	75.00	
INC	1	59.90	
TC	1	135.00	
KJN	1	10.60	
VOL	1	23.60	

Tahla Lake
Southern Interior Plateau
Mapsheet: 92 H15

Variable	N	Mean	Std Dev
AL	1	2.62	
AS	1	25.00	
B	1	1.00	
BA	1	245.00	
BE	1	1.00	
CA	1	28.30	
CD	1	1.00	
CO	1	10.00	
CR	1	80.00	
CU	1	670.00	
FE	1	236.00	
HG	1	0.08	
MG	1	18.80	
MN	1	1890.00	
MO	1	8.00	
NI	1	8.00	
P	1	1060.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	138.00	
TI	1	44.00	
V	1	31.00	
ZN	1	39.00	
OC	1	357.00	
INC	1	3.00	
TC	1	360.00	
KJN	1	27.80	
VOL	1	75.20	

Trapp Lake
Southern Interior Plateau
Mapsheet: 92 I08

Variable	N	Mean	Std Dev
AL	1	6.06	
AS	1	25.00	
B	0		
BA	1	120.00	
BE	0		
CA	1	55.50	
CD	1	1.00	
CO	1	14.00	
CR	1	210.00	
CU	1	270.00	
FE	1	114.00	
HG	1	0.05	
MG	1	74.60	
MN	1	426.00	
MO	1	9.00	
NI	1	18.00	
P	1	1220.00	
PB	1	14.00	
S	1	4360.00	
SE	1	15.00	
SN	1	11.00	
SR	1	407.00	
TI	0		
V	0		
ZN	1	26.00	
OC	1	43.00	
INC	1	11.20	
TC	1	55.00	
KJN	1	5.70	
VOL	1	11.70	

Watson Lake
Southern Interior Plateau
Mapsheet: 92 P11

Variable	N	Mean	Std Dev
AL	2	2.23	1.12
AS	2	13.50	16.26
B	1	114.00	
BA	2	90.00	2.83
BE	1	1.00	
CA	2	165.00	28.28
CD	2	1.00	0.00
CO	2	10.00	0.00
CR	2	45.00	7.07
CU	2	65.00	21.21
FE	2	32.10	8.63
HG	2	0.05	0.00
MG	2	548.00	257.39
MN	2	263.50	9.19
MO	2	7.00	-1.41
NI	2	5.50	0.71
P	2	554.00	83.44
PB	2	10.00	0.00
S	1	5920.00	
SE	2	13.00	4.24
SN	2	12.50	6.36
SR	2	1640.00	212.13
TI	1	85.00	
V	1	12.00	
ZN	2	14.00	2.83
OC	2	184.50	24.75
INC	2	27.35	4.74
TC	2	212.00	19.80
KJN	2	12.80	1.27
VOL	2	49.45	2.62

Wood Lake
Southern Interior Plateau
Mapsheet: 82 L03

Variable	N	Mean	Std Dev
AL	18	10.07	2.58
AS	18	24.17	8.24
B	0		
BA	18	121.67	31.23
BE	0		
CA	18	63.66	26.19
CD	18	1.00	0.00
CO	18	16.17	6.03
CR	18	422.22	91.11
CU	18	214.44	136.05
FE	18	268.83	64.38
HG	2	0.05	0.00
MG	18	72.13	14.71
MN	18	1641.33	757.01
MO	18	21.39	8.97
NI	18	25.44	5.12
P	18	1356.33	242.87
PB	18	42.22	14.22
S	18	7638.56	2543.40
SE	18	24.22	4.44
SN	18	14.06	9.38
SR	18	251.44	99.01
TI	0		
V	0		
ZN	18	68.33	15.52
OC	18	70.06	27.51
INC	18	12.74	6.80
TC	18	82.78	32.00
KJN	2	8.05	3.61
VOL	18	16.84	5.75

Yellow Lake
Southern Interior Plateau
Mapsheet: 82 E05

Variable	N	Mean	Std Dev
AL	1	13.40	
AS	1	35.00	
B	1	1.00	
BA	1	157.00	
BE	1	1.00	
CA	1	63.90	
CD	1	1.00	
CO	1	21.00	
CR	1	210.00	
CU	1	410.00	
FE	1	172.00	
HG	1	0.14	
MG	1	79.20	
MN	1	677.00	
MO	1	15.00	
NI	1	34.00	
P	1	1720.00	
PB	1	52.00	
S	0		
SE	1	17.00	
SN	1	5.00	
SR	1	1160.00	
TI	1	384.00	
V	1	43.00	
ZN	1	53.00	
OC	1	71.00	
INC	1	20.00	
TC	1	91.00	
KJN	1	5.60	
VOL	1	16.60	

Acorn Lake
Central Interior Plateau
Mapsheet: 93 M07

Variable	N	Mean	Std Dev
AL	1	17.40	
AS	1	25.00	
B	1	1.00	
BA	1	247.00	
BE	1	1.00	
CA	1	9.20	
CD	1	1.00	
CO	1	10.00	
CR	1	210.00	
CU	1	350.00	
FE	1	298.00	
HG	1	0.14	
MG	1	16.70	
MN	1	1040.00	
MO	1	4.00	
NI	1	30.00	
P	1	2100.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	51.00	
TI	1	6.00	
V	1	22.00	
ZN	1	114.00	
OC	1	223.00	
INC	1	1.60	
TC	1	225.00	
KJN	1	16.00	
VOL	1	49.30	

Alexis Lake
Central Interior Plateau
Mapsheet: 93 B05

Variable	N	Mean	Std Dev
AL	1	1.63	
AS	1	74.00	
B	0		
BA	1	141.00	
BE	0		
CA	1	105.00	
CD	1	1.00	
CO	1	58.00	
CR	1	270.00	
CU	1	150.00	
FE	1	289.00	
HG	1	0.05	
MG	1	64.20	
MN	1	2830.00	
MO	1	27.00	
NI	1	16.00	
P	1	4900.00	
PB	1	42.00	
S	1	8830.00	
SE	1	41.00	
SN	1	22.00	
SR	1	366.00	
TI	0		
V	0		
ZN	1	15.00	
OC	1	86.00	
INC	1	37.10	
TC	1	123.00	
KJN	1	9.00	
VOL	1	24.70	

Bednesti Lake
Central Interior Plateau
Mapsheet: 93 G14

Variable	N	Mean	Std Dev
AL	1	5.11	
AS	1	11.00	
B	0		
BA	1	236.00	
BE	0		
CA	1	3.34	
CD	1	1.00	
CO	1	12.00	
CR	1	370.00	
CU	1	230.00	
FE	1	35.00	
HG	1	0.06	
MG	1	36.20	
MN	1	7840.00	
MO	1	18.00	
NI	1	39.00	
P	1	4480.00	
PB	1	25.00	
S	1	2480.00	
SE	1	10.00	
SN	1	8.00	
SR	1	23.00	
TI	0		
V	0		
ZN	1	47.00	
OC	1	72.00	
INC	1	5.10	
TC	1	77.00	
KJN	1	8.30	
VOL	1	20.40	

Blue Lake
Central Interior Plateau
Mapsheet: 93 B09

Variable	N	Mean	Std Dev
AL	1	1.83	
AS	1	25.00	
B	1	3.00	
BA	1	44.00	
BE	1	1.00	
CA	1	43.90	
CD	1	1.00	
CO	1	10.00	
CR	1	80.00	
CU	1	100.00	
FE	1	64.00	
HG	1	0.07	
MG	1	45.20	
MN	1	636.00	
MO	1	8.00	
NI	1	12.00	
P	1	967.00	
PB	1	15.00	
S	0		
SE	1	13.00	
SN	1	7.00	
SR	1	207.00	
TI	1	102.00	
V	1	12.00	
ZN	1	35.00	
OC	1	323.00	
INC	1	10.90	
TC	1	334.00	
KJN	1	26.00	
VOL	1	67.50	

Blue Lake
Central Interior Plateau
Mapsheet: 93 B08

Variable	N	Mean	Std Dev
AL	1	13.00	
AS	1	25.00	
B	1	2.00	
BA	1	137.00	
BE	1	1.00	
CA	1	279.00	
CD	1	1.00	
CO	1	10.00	
CR	1	70.00	
CU	1	60.00	
FE	1	23.00	
HG	1	0.05	
MG	1	70.50	
MN	1	131.00	
MO	1	1.00	
NI	1	5.00	
P	1	167.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	472.00	
TI	1	49.00	
V	1	2.00	
ZN	1	11.00	
OC	1	37.00	
INC	1	93.00	
TC	1	130.00	
KJN	1	3.80	
VOL	1	9.70	

Burns Lake
Central Interior Plateau
Mapsheet: 93 K04

Variable	N	Mean	Std Dev
AL	1	19.70	
AS	1	41.00	
B	1	1.00	
BA	1	205.00	
BE	1	1.00	
CA	1	6.97	
CD	1	1.00	
CO	1	18.00	
CR	1	370.00	
CU	1	530.00	
FE	1	389.00	
HG	0		
MG	1	79.60	
MN	1	1000.00	
MO	1	14.00	
NI	1	55.00	
P	1	1340.00	
PB	1	33.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	64.00	
TI	1	66.00	
V	1	41.00	
ZN	1	109.00	
OC	0		
INC	0		
TC	0		
KJN	1	6.50	
VOL	1	15.80	

Chambers Lake
Central Interior Plateau
Mapsheet: 93 A12

Variable	N	Mean	Std Dev
AL	1	9.52	
AS	1	4.00	
B	0		
BA	1	123.00	
BE	0		
CA	1	20.40	
CD	1	1.00	
CO	1	14.00	
CR	1	520.00	
CU	1	600.00	
FE	1	272.00	
HG	1	0.13	
MG	1	87.00	
MN	1	705.00	
MO	1	6.00	
NI	1	52.00	
P	1	1290.00	
PB	1	20.00	
S	1	4840.00	
SE	1	17.00	
SN	1	6.00	
SR	1	92.00	
TI	0		
V	0		
ZN	1	73.00	
OC	1	123.00	
INC	1	5.70	
TC	1	129.00	
KJN	1	11.00	
VOL	1	28.20	

Chief Lake
Central Interior Plateau
Mapsheet: 93 J03

Variable	N	Mean	Std Dev
AL	1	9.02	
AS	1	25.00	
B	0		
BA	1	94.00	
BE	0		
CA	1	7.23	
CD	1	1.00	
CO	1	10.00	
CR	1	430.00	
CU	1	360.00	
FE	1	198.00	
HG	1	0.11	
MG	1	43.80	
MN	1	367.00	
MO	1	6.00	
NI	1	44.00	
P	1	2310.00	
PB	1	10.00	
S	1	2890.00	
SE	1	10.00	
SN	1	5.00	
SR	1	33.00	
TI	0		
V	0		
ZN	1	115.00	
OC	1	220.00	
INC	1	261.00	
TC	1	223.00	
KJN	1	28.10	
VOL	1	49.30	

Crooked Lake
Central Interior Plateau
Mapsheet: 93 A02

Variable	N	Mean	Std Dev
AL	1	28.10	
AS	1	21.00	
B	1	15.00	
BA	1	156.00	
BE	1	1.00	
CA	1	4.10	
CD	1	1.00	
CO	1	21.00	
CR	1	670.00	
CU	1	500.00	
FE	1	415.00	
HG	1	0.31	
MG	1	81.00	
MN	1	1150.00	
MO	1	39.00	
NI	1	75.00	
P	1	1540.00	
PB	1	45.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	25.00	
TI	1	889.00	
V	1	42.00	
ZN	1	148.00	
OC	1	65.00	
INC	1	0.50	
TC	1	65.00	
KJN	1	4.70	
VOL	1	17.40	

Dahl Lake
Central Interior Plateau
Mapsheet: 93 G14

Variable	N	Mean	Std Dev
AL	1	3.68	
AS	1	25.00	
B	1	16.00	
BA	1	133.00	
BE	1	1.00	
CA	1	3.40	
CD	1	1.00	
CO	1	10.00	
CR	1	470.00	
CU	1	240.00	
FE	1	277.00	
HG	1	0.29	
MG	1	25.20	
MN	1	1840.00	
MO	1	10.00	
NI	1	114.00	
P	1	3700.00	
PB	1	22.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	20.00	
TI	1	159.00	
V	1	38.00	
ZN	1	32.00	
OC	1	105.00	
INC	1	22.00	
TC	1	127.00	
KJN	1	11.90	
VOL	1	29.40	

Decker Lake
Central Interior Plateau
Mapsheet: 93 K04

Variable	N	Mean	Std Dev
AL	1	19.70	
AS	1	47.00	
B	1	1.00	
BA	1	271.00	
BE	1	1.00	
CA	1	6.61	
CD	1	1.00	
CO	1	15.00	
CR	1	360.00	
CU	1	340.00	
FE	1	389.00	
HG	0		
MG	1	69.90	
MN	1	1780.00	
MO	1	15.00	
NI	1	44.00	
P	1	1390.00	
PB	1	36.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	62.00	
TI	1	164.00	
V	1	39.00	
ZN	1	114.00	
OC	0		
INC	0		
TC	0		
KJN	1	7.20	
VOL	1	17.70	

Dragon Lake
Central Interior Plateau
Mapsheet: 93 B16

Variable	N	Mean	Std Dev
AL	1	7.71	
AS	1	25.00	
B	1	4.00	
BA	1	77.00	
BE	1	1.00	
CA	1	12.90	
CD	1	1.00	
CO	1	13.00	
CR	1	280.00	
CU	1	410.00	
FE	1	148.00	
HG	1	0.15	
MG	1	47.20	
MN	1	269.00	
MO	1	14.00	
NI	1	31.00	
P	1	1140.00	
PB	1	10.00	
S	0		
SE	1	19.00	
SN	1	6.00	
SR	1	75.00	
TI	1	213.00	
V	1	25.00	
ZN	1	82.00	
OC	0		
INC	0		
TC	1	295.00	
KJN	1	32.00	
VOL	1	65.40	

Elk Lake
Central Interior Plateau
Mapsheet: 93 B08

Variable	N	Mean	Std Dev
AL	1	4.44	
AS	1	25.00	
B	0		
BA	1	69.00	
BE	0		
CA	1	15.80	
CD	1	1.00	
CO	1	11.00	
CR	1	360.00	
CU	1	210.00	
FE	1	342.00	
HG	1	0.06	
MG	1	56.80	
MN	1	672.00	
MO	1	8.00	
NI	1	21.00	
P	1	903.00	
PB	1	11.00	
S	1	6500.00	
SE	1	11.00	
SN	1	5.00	
SR	1	83.00	
TI	0		
V	0		
ZN	1	69.00	
OC	1	347.00	
INC	1	2.70	
TC	1	350.00	
KJN	1	28.70	
VOL	1	72.90	

Eveline Lake
Central Interior Plateau
Mapsheet: 93 B09

Variable	N	Mean	Std Dev
AL	1	5.71	
AS	1	25.00	
B	1	2.00	
BA	1	69.00	
BE	1	1.00	
CA	1	38.90	
CD	1	1.00	
CO	1	10.00	
CR	1	210.00	
CU	1	290.00	
FE	1	112.00	
HG	1	0.09	
MG	1	287.00	
MN	1	516.00	
MO	1	10.00	
NI	1	28.00	
P	1	1260.00	
PB	1	21.00	
S	0		
SE	1	18.00	
SN	1	14.00	
SR	1	238.00	
TI	1	324.00	
V	1	27.00	
ZN	1	59.00	
OC	1	284.00	
INC	1	12.00	
TC	1	296.00	
KJN	1	22.00	
VOL	1	58.10	

Fission Lake
Central Interior Plateau
Mapsheet: 93 M07

Variable	N	Mean	Std Dev
AL	1	15.60	
AS	1	25.00	
B	1	1.00	
BA	1	342.00	
BE	1	1.00	
CA	1	8.80	
CD	1	1.00	
CO	1	10.00	
CR	1	130.00	
CU	1	330.00	
FE	1	144.00	
HG	1	0.15	
MG	1	13.40	
MN	1	414.00	
MO	1	3.00	
NI	1	24.00	
P	1	1590.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	77.00	
TI	1	3.00	
V	1	26.00	
ZN	1	74.00	
OC	0		
INC	0		
TC	1	283.00	
KJN	1	18.00	
VOL	1	58.50	

Forest Lake
Central Interior Plateau
Mapsheet: 93 B08

Variable	N	Mean	Std Dev
AL	1	15.00	
AS	1	27.00	
B	1	1.00	
BA	1	167.00	
BE	1	1.00	
CA	1	34.90	
CD	1	1.00	
CO	1	18.00	
CR	1	880.00	
CU	1	480.00	
FE	1	274.00	
HG	1	0.14	
MG	1	156.00	
MN	1	782.00	
MO	1	12.00	
NI	1	134.00	
P	1	1260.00	
PB	1	34.00	
S	0		
SE	1	19.00	
SN	1	18.00	
SR	1	125.00	
TI	1	789.00	
V	1	42.00	
ZN	1	75.00	
OC	1	188.00	
INC	1	5.40	
TC	1	193.00	
KJN	1	17.00	
VOL	1	41.70	

Germansen Lake
Central Interior Plateau
Mapsheet: 93 N10

Variable	N	Mean	Std Dev
AL	1	14.90	
AS	1	27.00	
B	1	1.00	
BA	1	187.00	
BE	1	1.00	
CA	1	7.89	
CD	1	1.00	
CO	1	12.00	
CR	1	610.00	
CU	1	890.00	
FE	1	288.00	
HG	1	0.08	
MG	1	92.60	
MN	1	1030.00	
MO	1	11.00	
NI	1	42.00	
P	1	1400.00	
PB	1	21.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	43.00	
TI	1	447.00	
V	1	85.00	
ZN	1	130.00	
OC	1	37.00	
INC	1	5.20	
TC	1	42.00	
KJN	1	3.50	
VOL	1	13.30	

Green Lake
Central Interior Plateau
Mapsheet: 93 A06

Variable	N	Mean	Std Dev
AL	1	2.33	
AS	1	25.00	
B	1	1.00	
BA	1	127.00	
BE	1	1.00	
CA	1	18.80	
CD	1	1.00	
CO	1	10.00	
CR	1	90.00	
CU	1	270.00	
FE	1	79.00	
HG	0		
MG	1	21.20	
MN	1	904.00	
MO	1	6.00	
NI	1	17.00	
P	1	995.00	
PB	1	23.00	
S	0		
SE	1	13.00	
SN	1	11.00	
SR	1	100.00	
TI	1	85.00	
V	1	17.00	
ZN	1	54.00	
OC	1	378.00	
INC	1	2.70	
TC	1	381.00	
KJN	1	27.00	
VOL	1	78.50	

Grizzly Lake
Central Interior Plateau
Mapsheet: 93 G12

Variable	N	Mean	Std Dev
AL	1	5.75	
AS	1	22.00	
B	1	8.00	
BA	1	71.00	
BE	1	1.00	
CA	1	7.20	
CD	1	1.00	
CO	1	10.00	
CR	1	490.00	
CU	1	260.00	
FE	1	241.00	
HG	1	0.38	
MG	1	26.20	
MN	1	359.00	
MO	1	10.00	
NI	1	38.00	
P	1	1590.00	
PB	1	20.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	32.00	
TI	1	152.00	
V	1	57.00	
ZN	1	53.00	
OC	1	270.00	
INC	1	1.60	
TC	1	272.00	
KJN	1	26.80	
VOL	1	56.40	

Hilltout Lake
Central Interior Plateau
Mapsheet: 93 E14

Variable	N	Mean	Std Dev
AL	1	22.40	
AS	1	54.00	
B	1	15.00	
BA	1	749.00	
BE	1	1.00	
CA	1	8.40	
CD	1	3.00	
CO	1	65.00	
CR	1	530.00	
CU	1	1310.00	
FE	1	764.00	
HG	1	0.28	
MG	1	20.50	
MN	1	11.00	
MO	1	26.00	
NI	1	28.00	
P	1	2680.00	
PB	1	36.00	
S	0		
SE	1	17.00	
SN	1	7.00	
SR	1	60.00	
TI	1	25.00	
V	1	35.00	
ZN	1	359.00	
OC	1	131.00	
INC	1	5.30	
TC	1	136.00	
KJN	1	9.10	
VOL	1	39.50	

Island Lake
Central Interior Plateau
Mapsheet: 93 F14

Variable	N	Mean	Std Dev
AL	1	25.40	
AS	1	25.00	
B	1	1.00	
BA	1	207.00	
BE	1	1.00	
CA	1	7.90	
CD	1	1.00	
CO	1	10.00	
CR	1	190.00	
CU	1	390.00	
FE	1	148.00	
HG	1	0.14	
MG	1	18.20	
MN	1	473.00	
MO	1	12.00	
NI	1	16.00	
P	1	2140.00	
PB	1	27.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	83.00	
TI	1	30.00	
V	1	14.00	
ZN	1	108.00	
OC	1	141.00	
INC	1	5.30	
TC	1	146.00	
KJN	1	9.70	
VOL	1	36.60	

Jackson Hole Lake
Central Interior Plateau
Mapsheet: 93 B08

Variable	N	Mean	Std Dev
AL	1	4.08	
AS	1	25.00	
B	0		
BA	1	94.00	
BE	0		
CA	1	26.90	
CD	1	1.00	
CO	1	10.00	
CR	1	200.00	
CU	1	300.00	
FE	1	143.00	
HG	1	0.08	
MG	1	39.90	
MN	1	366.00	
MO	1	11.00	
NI	1	27.00	
P	1	768.00	
PB	1	11.00	
S	1	23500.00	
SE	1	10.00	
SN	1	8.00	
SR	1	154.00	
TI	0		
V	0		
ZN	1	61.00	
OC	1	331.00	
INC	1	2.00	
TC	1	333.00	
KJN	1	24.00	
VOL	1	67.80	

Jigsaw Lake
Central Interior Plateau
Mapsheet: 103 P15

Variable	N	Mean	Std Dev
AL	1	18.40	
AS	1	40.00	
B	0		
BA	1	2890.00	
BE	0		
CA	1	6.63	
CD	1	1.00	
CO	1	30.00	
CR	1	340.00	
CU	1	560.00	
FE	1	892.00	
HG	1	0.23	
MG	1	68.90	
MN	1	78000.00	
MO	1	4.00	
NI	1	62.00	
P	1	3180.00	
PB	1	10.00	
S	1	1180.00	
SE	1	10.00	
SN	0		
SR	1	160.00	
TI	0		
V	1	23.00	
ZN	1	108.00	
OC	1	97.00	
INC	1	7.20	
TC	1	104.00	
KJN	1	5.50	
VOL	1	29.40	

Kathlyn Lake
Central Interior Plateau
Mapsheet: 93 L14

Variable	N	Mean	Std Dev
AL	1	22.00	
AS	1	79.00	
B	1	9.00	
BA	1	187.00	
BE	1	1.00	
CA	1	3.10	
CD	1	1.00	
CO	1	19.00	
CR	1	470.00	
CU	1	2050.00	
FE	1	584.00	
HG	1	0.13	
MG	1	75.00	
MN	1	1090.00	
MO	1	56.00	
NI	1	26.00	
P	1	1110.00	
PB	1	28.00	
S	0		
SE	1	11.00	
SN	1	5.00	
SR	1	24.00	
TI	1	158.00	
V	1	53.00	
ZN	1	145.00	
OC	1	33.00	
INC	1	7.40	
TC	1	40.00	
KJN	1	3.10	
VOL	1	12.30	

Keno Lake
Central Interior Plateau
Mapsheet: 93 A06

Variable	N	Mean	Std Dev
AL	1	11.50	
AS	1	25.00	
B	1	24.00	
BA	1	91.00	
BE	1	1.00	
CA	1	8.60	
CD	1	1.00	
CO	1	10.00	
CR	1	660.00	
CU	1	870.00	
FE	1	228.00	
HG	1	0.51	
MG	1	41.30	
MN	1	1250.00	
MO	1	23.00	
NI	1	57.00	
P	1	1360.00	
PB	1	33.00	
S	0		
SE	1	10.00	
SN	1	11.00	
SR	1	56.00	
TI	1	578.00	
V	1	87.00	
ZN	1	62.00	
OC	1	215.00	
INC	1	0.50	
TC	1	215.00	
KJN	1	20.70	
VOL	1	47.40	

Laidman Lake
Central Interior Plateau
Mapsheet: 93 F03

Variable	N	Mean	Std Dev
AL	1	9.47	
AS	1	23.00	
B	0		
BA	1	434.00	
BE	0		
CA	1	6.11	
CD	1	1.00	
CO	1	25.00	
CR	1	290.00	
CU	1	90.00	
FE	1	530.00	
HG	1	0.05	
MG	1	43.60	
MN	1	12400.00	
MO	1	21.00	
NI	1	10.00	
P	1	1060.00	
PB	1	15.00	
S	1	516.00	
SE	1	22.00	
SN	1	9.00	
SR	1	50.00	
TI	0		
V	0		
ZN	1	75.00	
OC	1	9.00	
INC	1	2.70	
TC	1	12.00	
KJN	1	0.90	
VOL	1	6.70	

Lava Lake
Central Interior Plateau
Mapsheet: 103 P02

Variable	N	Mean	Std Dev
AL	1	0.15	
AS	1	20.00	
B	1	1.00	
BA	1	179.00	
BE	1	1.00	
CA	1	5.10	
CD	1	1.00	
CO	1	10.00	
CR	1	450.00	
CU	1	260.00	
FE	1	277.00	
HG	1	0.05	
MG	1	97.40	
MN	1	597.00	
MO	1	10.00	
NI	1	35.00	
P	1	1370.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	37.00	
TI	1	1280.00	
V	1	7.00	
ZN	1	67.00	
OC	1	1.00	
INC	1	5.10	
TC	1	5.00	
KJN	1	0.30	
VOL	1	2.30	

Little Bobtail Lake
Central Interior Plateau
Mapsheet: 93 G12

Variable	N	Mean	Std Dev
AL	1	6.33	
AS	1	25.00	
B	1	15.00	
BA	1	132.00	
BE	1	1.00	
CA	1	8.50	
CD	1	1.00	
CO	1	14.00	
CR	1	600.00	
CU	1	290.00	
FE	1	234.00	
HG	1	0.40	
MG	1	46.50	
MN	1	628.00	
MO	1	12.00	
NI	1	471.00	
P	1	4150.00	
PB	1	12.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	42.00	
TI	1	129.00	
V	1	25.00	
ZN	1	47.00	
OC	1	145.00	
INC	1	1.70	
TC	1	147.00	
KJN	1	16.10	
VOL	1	34.40	

Little Horsefly Lake
Central Interior Plateau
Mapsheet: 93 A06

Variable	N	Mean	Std Dev
AL	1	5.04	
AS	1	2.00	
B	0		
BA	1	36.00	
BE	0		
CA	1	11.40	
CD	1	2.00	
CO	1	10.00	
CR	1	240.00	
CU	1	750.00	
FE	1	88.00	
HG	1	0.09	
MG	1	37.30	
MN	1	89.00	
MO	1	10.00	
NI	1	63.00	
P	1	538.00	
PB	1	10.00	
S	1	6180.00	
SE	1	26.00	
SN	1	27.00	
SR	1	53.00	
TI	0		
V	0		
ZN	1	68.00	
OC	1	269.00	
INC	1	2.70	
TC	1	272.00	
KJN	1	18.30	
VOL	1	57.40	

Mackill Lake
Central Interior Plateau
Mapsheet: 93 B06

Variable	N	Mean	Std Dev
AL	1	3.44	
AS	1	25.00	
B	0		
BA	1	75.00	
BE	0		
CA	1	13.70	
CD	1	1.00	
CO	1	10.00	
CR	1	120.00	
CU	1	250.00	
FE	1	84.00	
HG	1	0.08	
MG	1	52.40	
MN	1	155.00	
MO	1	3.00	
NI	1	24.00	
P	1	1280.00	
PB	1	10.00	
S	1	3410.00	
SE	1	10.00	
SN	0		
SR	1	73.00	
TI	0		
V	1	44.00	
ZN	1	42.00	
OC	1	294.00	
INC	1	4.30	
TC	1	298.00	
KJN	1	28.30	
VOL	1	60.70	

McQuarrie Lake
Central Interior Plateau
Mapsheet: 93 L10

Variable	N	Mean	Std Dev
AL	1	21.40	
AS	1	25.00	
B	1	1.00	
BA	1	234.00	
BE	1	1.00	
CA	1	8.40	
CD	1	1.00	
CO	1	10.00	
CR	1	310.00	
CU	1	600.00	
FE	1	303.00	
HG	1	0.20	
MG	1	45.50	
MN	1	723.00	
MO	1	9.00	
NI	1	24.00	
P	1	994.00	
PB	1	30.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	46.00	
TI	1	11.00	
V	1	36.00	
ZN	1	257.00	
OC	1	118.00	
INC	1	3.80	
TC	1	122.00	
KJN	1	9.50	
VOL	1	29.20	

Melissa Lake
Central Interior Plateau
Mapsheet: 93 A06

Variable	N	Mean	Std Dev
AL	1	7.39	
AS	1	25.00	
B	0		
BA	1	31.00	
BE	0		
CA	1	19.10	
CD	1	1.00	
CO	1	10.00	
CR	1	250.00	
CU	1	700.00	
FE	1	146.00	
HG	1	0.21	
MG	1	22.80	
MN	1	205.00	
MO	1	24.00	
NI	1	28.00	
P	1	900.00	
PB	1	10.00	
S	1	19500.00	
SE	1	30.00	
SN	0		
SR	1	64.00	
TI	0		
V	1	16.00	
ZN	1	76.00	
OC	1	338.00	
INC	1	2.30	
TC	1	340.00	
KJN	1	23.70	
VOL	1	68.60	

Milburn Lake
Central Interior Plateau
Mapsheet: 93 G02

Variable	N	Mean	Std Dev
AL	1	19.30	
AS	1	25.00	
B	1	22.00	
BA	1	359.00	
BE	1	1.00	
CA	1	7.80	
CD	1	1.00	
CO	1	10.00	
CR	1	860.00	
CU	1	1280.00	
FE	1	343.00	
HG	1	0.33	
MG	1	80.80	
MN	1	612.00	
MO	1	32.00	
NI	1	85.00	
P	1	1000.00	
PB	1	23.00	
S	0		
SE	1	10.00	
SN	1	10.00	
SR	1	48.00	
TI	1	99.00	
V	1	39.00	
ZN	1	162.00	
OC	1	116.00	
INC	1	2.40	
TC	1	118.00	
KJN	1	10.10	
VOL	1	29.60	

Moose Lake
Central Interior Plateau
Mapsheet: 93 F03

Variable	N	Mean	Std Dev
AL	1	4.18	
AS	1	2.00	
B	0		
BA	1	29.00	
BE	0		
CA	1	7.71	
CD	1	1.00	
CO	1	10.00	
CR	1	80.00	
CU	1	240.00	
FE	1	80.00	
HG	1	0.10	
MG	1	19.30	
MN	1	263.00	
MO	1	5.00	
NI	1	11.00	
P	1	1270.00	
PB	1	12.00	
S	1	5050.00	
SE	1	10.00	
SN	1	5.00	
SR	1	39.00	
TI	0		
V	0		
ZN	1	45.00	
OC	1	265.00	
INC	1	3.20	
TC	1	268.00	
KJN	1	24.90	
VOL	1	54.70	

Morehead Lake
Central Interior Plateau
Mapsheet: 93 A12

Variable	N	Mean	Std Dev
AL	1	14.90	
AS	1	25.00	
B	1	18.00	
BA	1	123.00	
BE	1	1.00	
CA	1	6.70	
CD	1	1.00	
CO	1	10.00	
CR	1	440.00	
CU	1	870.00	
FE	1	247.00	
HG	1	0.27	
MG	1	38.50	
MN	1	1040.00	
MO	1	20.00	
NI	1	13.00	
P	1	2330.00	
PB	1	12.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	66.00	
TI	1	181.00	
V	1	43.00	
ZN	1	51.00	
OC	1	113.00	
INC	1	1.60	
TC	1	115.00	
KJN	1	11.90	
VOL	1	28.00	

Munro Lake
Central Interior Plateau
Mapsheet: 103 P15

Variable	N	Mean	Std Dev
AL	1	33.80	
AS	1	25.00	
B	0		
BA	1	247.00	
BE	0		
CA	1	9.36	
CD	1	2.00	
CO	1	10.00	
CR	1	310.00	
CU	1	860.00	
FE	1	323.00	
HG	1	0.36	
MG	1	41.00	
MN	1	1090.00	
MO	1	2.00	
NI	1	37.00	
P	1	5720.00	
PB	1	10.00	
S	1	2690.00	
SE	1	10.00	
SN	0		
SR	1	160.00	
TI	0		
V	1	26.00	
ZN	1	152.00	
OC	1	172.00	
INC	1	10.20	
TC	1	182.00	
KJN	1	3.90	
VOL	1	44.60	

Murphy Lake
Central Interior Plateau
Mapsheet: 93 A03

Variable	N	Mean	Std Dev
AL	1	4.90	
AS	1	24.00	
B	1	14.00	
BA	1	65.00	
BE	1	1.00	
CA	1	3.20	
CD	1	1.00	
CO	1	11.00	
CR	1	270.00	
CU	1	100.00	
FE	1	156.00	
HG	1	0.05	
MG	1	39.80	
MN	1	369.00	
MO	1	9.00	
NI	1	17.00	
P	1	740.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	22.00	
TI	1	266.00	
V	1	21.00	
ZN	1	15.00	
OC	1	5.00	
INC	1	1.20	
TC	1	6.00	
KJN	1	0.40	
VOL	1	1.60	

Nadsilnich Lake
Central Interior Plateau
Mapsheet: 93 G10

Variable	N	Mean	Std Dev
AL	1	14.20	
AS	1	3.00	
B	0		
BA	1	245.00	
BE	0		
CA	1	5.02	
CD	1	1.00	
CO	1	16.00	
CR	1	430.00	
CU	1	430.00	
FE	1	275.00	
HG	1	0.13	
MG	1	61.50	
MN	1	896.00	
MO	1	9.00	
NI	1	47.00	
P	1	2140.00	
PB	1	36.00	
S	1	1230.00	
SE	1	10.00	
SN	1	5.00	
SR	1	40.00	
TI	0		
V	0		
ZN	1	93.00	
OC	1	63.00	
INC	1	0.90	
TC	1	64.00	
KJN	1	7.10	
VOL	1	18.20	

Nellian Lake
Central Interior Plateau
Mapsheet: 93 K05

Variable	N	Mean	Std Dev
AL	1	24.30	
AS	1	27.00	
B	1	1.00	
BA	1	167.00	
BE	1	1.00	
CA	1	3.40	
CD	1	1.00	
CO	1	10.00	
CR	1	390.00	
CU	1	350.00	
FE	1	179.00	
HG	1	0.21	
MG	1	39.20	
MN	1	219.00	
MO	1	12.00	
NI	1	43.00	
P	1	1720.00	
PB	1	26.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	42.00	
TI	1	119.00	
V	1	26.00	
ZN	1	88.00	
OC	1	96.00	
INC	1	5.60	
TC	1	102.00	
KJN	1	9.90	
VOL	1	30.50	

Ness Lake
Central Interior Plateau
Mapsheet: 93 J03

Variable	N	Mean	Std Dev
AL	1	7.31	
AS	1	16.00	
B	0		
BA	1	156.00	
BE	0		
CA	1	5.88	
CD	1	1.00	
CO	1	14.00	
CR	1	390.00	
CU	1	370.00	
FE	1	738.00	
HG	1	0.09	
MG	1	39.90	
MN	1	2490.00	
MO	1	11.00	
NI	1	33.00	
P	1	5310.00	
PB	1	22.00	
S	1	2790.00	
SE	1	14.00	
SN	1	6.00	
SR	1	30.00	
TI	0		
V	0		
ZN	1	75.00	
OC	1	144.00	
INC	1	5.40	
TC	1	149.00	
KJN	1	12.80	
VOL	1	32.90	

Nine Lake
Central Interior Plateau
Mapsheet: 103 P15

Variable	N	Mean	Std Dev
AL	1	19.80	
AS	1	25.00	
B	0		
BA	1	358.00	
BE	0		
CA	1	5.86	
CD	1	1.00	
CO	1	10.00	
CR	1	340.00	
CU	1	430.00	
FE	1	250.00	
HG	1	0.13	
MG	1	64.00	
MN	1	1240.00	
MO	1	3.00	
NI	1	48.00	
P	1	680.00	
PB	1	10.00	
S	1	5720.00	
SE	1	10.00	
SN	0		
SR	1	147.00	
TI	0		
V	1	22.00	
ZN	1	71.00	
OC	1	181.00	
INC	1	6.60	
TC	1	188.00	
KJN	1	15.80	
VOL	1	41.00	

Nukko Lake
Central Interior Plateau
Mapsheet: 93 J03

Variable	N	Mean	Std Dev
AL	1	8.75	
AS	1	4.00	
B	0		
BA	1	165.00	
BE	0		
CA	1	5.24	
CD	1	1.00	
CO	1	10.00	
CR	1	320.00	
CU	1	290.00	
FE	1	215.00	
HG	1	0.09	
MG	1	49.30	
MN	1	655.00	
MO	1	4.00	
NI	1	35.00	
P	1	1240.00	
PB	1	22.00	
S	1	2040.00	
SE	1	11.00	
SN	1	5.00	
SR	1	29.00	
TI	0		
V	0		
ZN	1	126.00	
OC	1	109.00	
INC	1	3.90	
TC	1	113.00	
KJN	1	10.70	
VOL	1	22.60	

Opheim Lake
Central Interior Plateau
Mapsheet: 93 a12

Variable	N	Mean	Std Dev
AL	1	10.30	
AS	1	4.00	
B	0		
BA	1	147.00	
BE	0		
CA	1	19.90	
CD	1	1.00	
CO	1	25.00	
CR	1	630.00	
CU	1	580.00	
FE	1	315.00	
HG	1	0.13	
MG	1	80.90	
MN	1	1060.00	
MO	1	15.00	
NI	1	41.00	
P	1	1660.00	
PB	1	22.00	
S	1	3580.00	
SE	1	18.00	
SN	1	15.00	
SR	1	78.00	
TI	0		
V	0		
ZN	1	76.00	
OC	1	71.00	
INC	1	8.50	
TC	1	79.00	
KJN	1	7.40	
VOL	1	19.20	

Poison Lake, north
Central Interior Plateau
Mapsheet: 93 C11

Variable	N	Mean	Std Dev
AL	1	2.79	
AS	1	23.00	
B	1	1.00	
BA	1	32.00	
BE	1	1.00	
CA	1	8.19	
CD	1	1.00	
CO	1	10.00	
CR	1	140.00	
CU	1	450.00	
FE	1	257.00	
HG	1	0.05	
MG	1	29.50	
MN	1	1400.00	
MO	1	6.00	
NI	1	11.00	
P	1	1130.00	
PB	1	14.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	44.00	
TI	1	209.00	
V	1	22.00	
ZN	1	56.00	
OC	1	493.00	
INC	1	1.20	
TC	1	494.00	
KJN	1	27.00	
VOL	1	73.70	

Poison Lake. south
Central Interior Plateau
Mapsheet: 93 C11

Variable	N	Mean	Std Dev
AL	1	3.19	
AS	1	25.00	
B	1	1.00	
BA	1	93.00	
BE	1	1.00	
CA	1	6.09	
CD	1	1.00	
CO	1	10.00	
CR	1	180.00	
CU	1	300.00	
FE	1	445.00	
HG	1	0.05	
MG	1	24.10	
MN	1	729.00	
MO	1	7.00	
NI	1	9.00	
P	1	1360.00	
PB	1	12.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	47.00	
TI	1	253.00	
V	1	19.00	
ZN	1	47.00	
OC	1	326.00	
INC	1	0.50	
TC	1	326.00	
KJN	1	30.50	
VOL	1	71.80	

Ross Lake
Central Interior Plateau
Mapsheet: 103 P02

Variable	N	Mean	Std Dev
AL	1	12.40	
AS	1	25.00	
B	1	1.00	
BA	1	129.00	
BE	1	1.00	
CA	1	6.40	
CD	1	1.00	
CO	1	10.00	
CR	1	220.00	
CU	1	360.00	
FE	1	196.00	
HG	1	0.06	
MG	1	41.60	
MN	1	360.00	
MO	1	6.00	
NI	1	20.00	
P	1	1060.00	
PB	1	11.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	47.00	
TI	1	5.00	
V	1	30.00	
ZN	1	65.00	
OC	1	212.00	
INC	1	37.00	
TC	1	249.00	
KJN	1	18.50	
VOL	1	51.80	

Round Lake
Central Interior Plateau
Mapsheet: 93 L10

Variable	N	Mean	Std Dev
AL	1	12.80	
AS	1	19.00	
B	1	1.00	
BA	1	123.00	
BE	1	1.00	
CA	1	10.00	
CD	1	1.00	
CO	1	10.00	
CR	1	280.00	
CU	1	510.00	
FE	1	246.00	
HG	1	0.13	
MG	1	61.70	
MN	1	530.00	
MO	1	8.00	
NI	1	38.00	
P	1	1330.00	
PB	1	11.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	61.00	
TI	1	12.00	
V	1	7.00	
ZN	1	87.00	
OC	1	172.00	
INC	1	0.30	
TC	1	175.00	
KJN	1	17.10	
VOL	1	38.20	

Sand Lake
Central Interior Plateau
Mapsheet: 103 I15

Variable	N	Mean	Std Dev
AL	1	24.70	
AS	1	32.00	
B	1	1.00	
BA	1	228.00	
BE	1	1.00	
CA	1	5.30	
CD	1	1.00	
CO	1	22.00	
CR	1	420.00	
CU	1	420.00	
FE	1	453.00	
HG	1	0.05	
MG	1	125.00	
MN	1	1000.00	
MO	1	19.00	
NI	1	21.00	
P	1	995.00	
PB	1	21.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	47.00	
TI	1	1500.00	
V	1	58.00	
ZN	1	127.00	
OC	1	42.00	
INC	1	6.50	
TC	1	49.00	
KJN	1	3.10	
VOL	1	13.10	

Saxton Lake
Central Interior Plateau
Mapsheet: 93 J03

Variable	N	Mean	Std Dev
AL	1	12.10	
AS	1	25.00	
B	0		
BA	1	170.00	
BE	0		
CA	1	5.65	
CD	1	1.00	
CO	1	14.00	
CR	1	360.00	
CU	1	350.00	
FE	1	179.00	
HG	1	0.12	
MG	1	48.00	
MN	1	298.00	
MO	1	11.00	
NI	1	39.00	
P	1	1410.00	
PB	1	18.00	
S	1	2330.00	
SE	1	10.00	
SN	1	7.00	
SR	1	39.00	
TI	0		
V	0		
ZN	1	97.00	
OC	1	148.00	
INC	1	1.10	
TC	1	149.00	
KJN	1	14.90	
VOL	1	33.10	

Seeley Lake
Central Interior Plateau
Mapsheet: 93 M04

Variable	N	Mean	Std Dev
AL	1	15.00	
AS	1	29.00	
B	1	1.00	
BA	1	99.00	
BE	1	1.00	
CA	1	9.60	
CD	1	1.00	
CO	1	10.00	
CR	1	310.00	
CU	1	380.00	
FE	1	194.00	
HG	1	0.08	
MG	1	35.00	
MN	1	233.00	
MO	1	65.00	
NI	1	15.00	
P	1	655.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	56.00	
TI	1	74.00	
V	1	1.00	
ZN	1	58.00	
OC	1	253.00	
INC	1	2.70	
TC	1	256.00	
KJN	1	19.10	
VOL	1	55.20	

Seymour Lake
Central Interior Plateau
Mapsheet: 93 L14

Variable	N	Mean	Std Dev
AL	1	9.70	
AS	1	25.00	
B	1	1.00	
BA	1	115.00	
BE	1	1.00	
CA	1	2.70	
CD	1	1.00	
CO	1	10.00	
CR	1	190.00	
CU	1	180.00	
FE	1	254.00	
HG	1	0.10	
MG	1	40.30	
MN	1	400.00	
MO	1	4.00	
NI	1	15.00	
P	1	813.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	20.00	
TI	1	59.00	
V	1	28.00	
ZN	1	101.00	
OC	1	25.00	
INC	1	0.50	
TC	1	26.00	
KJN	1	2.20	
VOL	1	5.80	

Soap Lake
Central Interior Plateau
Mapsheet: 93 B08

Variable	N	Mean	Std Dev
AL	1	1.30	
AS	1	1.00	
B	0		
BA	1	62.00	
BE	0		
CA	1	85.20	
CD	1	1.00	
CO	1	10.00	
CR	1	10.00	
CU	1	130.00	
FE	1	36.00	
HG	1	0.05	
MG	1	604.00	
MN	1	431.00	
MO	1	1.00	
NI	1	27.00	
P	1	614.00	
PB	1	14.00	
S	1	1950.00	
SE	1	21.00	
SN	1	15.00	
SR	1	408.00	
TI	0		
V	0		
ZN	1	21.00	
OC	1	235.00	
INC	1	30.20	
TC	1	265.00	
KJN	1	17.00	
VOL	1	50.80	

Spanish Lake
Central Interior Plateau
Mapsheet: 93 A11

Variable	N	Mean	Std Dev
AL	1	16.90	
AS	1	166.00	
B	1	331.00	
BA	1	702.00	
BE	1	1.00	
CA	1	5.70	
CD	1	9.00	
CO	1	25.00	
CR	1	1920.00	
CU	1	890.00	
FE	1	4.00	
HG	1	0.27	
MG	1	69.30	
MN	1	95.00	
MO	1	88.00	
NI	1	76.00	
P	1	2520.00	
PB	1	49.00	
S	0		
SE	1	62.00	
SN	1	11.00	
SR	1	49.00	
TI	1	189.00	
V	1	37.00	
ZN	1	187.00	
OC	1	68.00	
INC	1	0.50	
TC	1	68.00	
KJN	1	5.90	
VOL	1	21.00	

Spout Lake
Central Interior Plateau
Mapsheet: 93 A03

Variable	N	Mean	Std Dev
AL	1	3.15	
AS	1	25.00	
B	1	1.00	
BA	1	66.00	
BE	1	1.00	
CA	1	23.00	
CD	1	1.00	
CO	1	10.00	
CR	1	200.00	
CU	1	490.00	
FE	1	97.00	
HG	1	0.39	
MG	1	20.80	
MN	1	1030.00	
MO	1	4.00	
NI	1	11.00	
P	1	945.00	
PB	1	32.00	
S	0		
SE	1	10.00	
SN	1	12.00	
SR	1	76.00	
TI	1	92.00	
V	1	23.00	
ZN	1	25.00	
OC	1	162.00	
INC	1	5.80	
TC	1	168.00	
KJN	1	15.20	
VOL	1	40.20	

Sucker Lake
Central Interior Plateau
Mapsheet: 93 M10

Variable	N	Mean	Std Dev
AL	1	24.60	
AS	1	25.00	
B	1	1.00	
BA	1	294.00	
BE	1	1.00	
CA	1	5.40	
CD	1	1.00	
CO	1	10.00	
CR	1	260.00	
CU	1	420.00	
FE	1	187.00	
HG	1	0.46	
MG	1	24.10	
MN	1	308.00	
MO	1	9.00	
NI	1	41.00	
P	1	1510.00	
PB	1	20.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	62.00	
TI	1	3.00	
V	1	32.00	
ZN	1	109.00	
OC	1	133.00	
INC	1	4.60	
TC	1	138.00	
KJN	1	9.60	
VOL	1	33.50	

Ten Mile Lake
Central Interior Plateau
Mapsheet: 93 G02

Variable	N	Mean	Std Dev
AL	1	14.70	
AS	1	25.00	
B	1	1.00	
BA	1	108.00	
BE	1	1.00	
CA	1	5.30	
CD	1	1.00	
CO	1	10.00	
CR	1	570.00	
CU	1	470.00	
FE	1	241.00	
HG	1	0.09	
MG	1	70.70	
MN	1	303.00	
MO	1	10.00	
NI	1	53.00	
P	1	1070.00	
PB	1	15.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	37.00	
TI	1	209.00	
V	1	32.00	
ZN	1	168.00	
OC	1	124.00	
INC	1	46.00	
TC	1	170.00	
KJN	1	15.60	
VOL	1	37.00	

Top Lake
Central Interior Plateau
Mapsheet: 93 F03

Variable	N	Mean	Std Dev
AL	1	13.90	
AS	1	3.00	
B	0		
BA	1	251.00	
BE	0		
CA	1	7.68	
CD	1	1.00	
CO	1	10.00	
CR	1	270.00	
CU	1	420.00	
FE	1	369.00	
HG	1	0.17	
MG	1	32.90	
MN	1	2540.00	
MO	1	8.00	
NI	1	15.00	
P	1	2100.00	
PB	1	20.00	
S	1	1640.00	
SE	1	11.00	
SN	1	5.00	
SR	1	48.00	
TI	0		
V	0		
ZN	1	71.00	
OC	1	102.00	
INC	1	0.50	
TC	1	102.00	
KJN	1	10.80	
VOL	1	27.50	

Tyhee Lake
Central Interior Plateau
Mapsheet: 93 L11

Variable	N	Mean	Std Dev
AL	1	7.30	
AS	1	24.00	
B	1	1.00	
BA	1	89.00	
BE	1	1.00	
CA	1	12.60	
CD	1	1.00	
CO	1	10.00	
CR	1	180.00	
CU	1	450.00	
FE	1	152.00	
HG	1	0.11	
MG	1	40.90	
MN	1	520.00	
MO	1	5.00	
NI	1	28.00	
P	1	1800.00	
PB	1	18.00	
S	0		
SE	1	10.00	
SN	1	13.00	
SR	1	75.00	
TI	1	10.00	
V	1	2.00	
ZN	1	68.00	
OC	1	279.00	
INC	1	34.00	
TC	1	313.00	
KJN	1	28.30	
VOL	1	62.80	

Williams Lake
Central Interior Plateau
Mapsheet: 93 B01

Variable	N	Mean	Std Dev
AL	3	7.22	1.05
AS	3	25.00	0.00
B	1	1.00	
BA	3	112.00	8.89
BE	1	1.00	
CA	3	86.37	7.07
CD	3	1.00	0.00
CO	3	12.33	0.58
CR	2	325.00	7.07
CU	3	390.00	20.00
FE	3	196.33	23.29
HG	0		
MG	3	128.00	2.65
MN	3	1113.33	28.87
MO	3	10.67	0.58
NI	3	61.00	4.58
P	3	1216.67	40.41
PB	3	36.67	16.50
S	1	6880 00	
SE	3	11.67	2.89
SN	3	11.67	4.16
SR	3	249.00	4.00
TI	1	248.00	
V	1	28.00	
ZN	3	111.33	85.50
OC	0		
INC	0		
TC	3	89.00	5.29
KJN	3	7.17	1.01
VOL	3	19.53	2.03

Williamson Lake
Central Interior Plateau
Mapsheet: 93 F03

Variable	N	Mean	Std Dev
AL	1	4.75	
AS	1	1.00	
B	0		
BA	1	28.00	
BE	0		
CA	1	7.46	
CD	1	1.00	
CO	1	10.00	
CR	1	100.00	
CU	1	200.00	
FE	1	49.00	
HG	1	0.06	
MG	1	12.50	
MN	1	109.00	
MO	1	5.00	
NI	1	14.00	
P	1	584.00	
PB	1	10.00	
S	1	4100.00	
SE	1	10.00	
SN	1	14.00	
SR	1	34.00	
TI	0		
V	0		
ZN	1	31.00	
OC	1	260.00	
INC	1	3.70	
TC	1	264.00	
KJN	1	17.90	
VOL	1	56.90	

Woodcock Lake
Central Interior Plateau
Mapsheet: 93 G12

Variable	N	Mean	Std Dev
AL	1	4.39	
AS	1	23.00	
B	1	6.00	
BA	1	53.00	
BE	1	1.00	
CA	1	6.30	
CD	1	1.00	
CO	1	10.00	
CR	1	190.00	
CU	1	190.00	
FE	1	76.00	
HG	1	0.34	
MG	1	22.50	
MN	1	297.00	
MO	1	6.00	
NI	1	21.00	
P	1	2500.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	25.00	
TI	1	201.00	
V	1	18.00	
ZN	1	30.00	
OC	1	288.00	
INC	1	0.50	
TC	1	288.00	
KJN	1	31.60	
VOL	1	63.00	

Acontinum Lake
Northern Interior Plateau
Mapsheet: 104 O05

Variable	N	Mean	Std Dev
AL	1	20.60	
AS	1	1720.00	
B	1	187.00	
BA	1	332.00	
BE	1	1.00	
CA	1	4.10	
CD	1	11.00	
CO	1	35.00	
CR	1	1450.00	
CU	1	530.00	
FE	1	4.00	
HG	1	0.08	
MG	1	68.50	
MN	1	99.00	
MO	1	38.00	
NI	1	32.00	
P	1	3750.00	
PB	1	40.00	
S	0		
SE	1	48.00	
SN	1	20.00	
SR	1	44.00	
TI	1	731.00	
V	1	72.00	
ZN	1	115.00	
OC	1	32.00	
INC	1	1.40	
TC	1	33.00	
KJN	1	2.30	
VOL	1	15.60	

Bell Lake
Northern Interior Plateau
Mapsheet: 104 N06

Variable	N	Mean	Std Dev
AL	1	7.24	
AS	1	25.00	
B	1	21.00	
BA	1	140.00	
BE	1	1.00	
CA	1	11.90	
CD	1	1.00	
CO	1	10.00	
CR	1	520.00	
CU	1	740.00	
FE	1	163.00	
HG	1	0.20	
MG	1	44.40	
MN	1	243.00	
MO	1	17.00	
NI	1	51.00	
P	1	940.00	
PB	1	17.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	26.00	
TI	1	286.00	
V	1	25.00	
ZN	1	100.00	
OC	1	247.00	
INC	1	2.10	
TC	1	249.00	
KJN	1	23.70	
VOL	1	57.10	

Butte Lake
Northern Interior Plateau
Mapsheet: 104 O02

Variable	N	Mean	Std Dev
AL	1	7.58	
AS	1	24.00	
B	1	10.00	
BA	1	128.00	
BE	1	1.00	
CA	1	3.50	
CD	1	1.00	
CO	1	10.00	
CR	1	520.00	
CU	1	240.00	
FE	1	88.00	
HG	1	0.09	
MG	1	28.80	
MN	1	243.00	
MO	1	12.00	
NI	1	26.00	
P	1	754.00	
PB	1	24.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	23.00	
TI	1	296.00	
V	1	109.00	
ZN	1	38.00	
OC	1	99.00	
INC	1	1.60	
TC	1	101.00	
KJN	1	13.20	
VOL	1	30.20	

Hall Lake
Northern Interior Plateau
Mapsheet: 104 N15

Variable	N	Mean	Std Dev
AL	1	14.80	
AS	1	114.00	
B	1	70.00	
BA	1	1220.00	
BE	1	4.00	
CA	1	5.10	
CD	1	1.00	
CO	1	31.00	
CR	1	910.00	
CU	1	790.00	
FE	1	408.00	
HG	1	0.21	
MG	1	82.40	
MN	1	8880.00	
MO	1	38.00	
NI	1	88.00	
P	1	2190.00	
PB	1	39.00	
S	0		
SE	1	17.00	
SN	1	7.00	
SR	1	32.00	
TI	1	247.00	
V	1	39.00	
ZN	1	130.00	
OC	1	35.00	
INC	1	3.50	
TC	1	39.00	
KJN	1	4.50	
VOL	1	15.50	

Indian Lake
Northern Interior Plateau
Mapsheet: 104 N13

Variable	N	Mean	Std Dev
AL	1	13.30	
AS	1	29.00	
B	1	1.00	
BA	1	284.00	
BE	1	1.00	
CA	1	6.90	
CD	1	1.00	
CO	1	32.00	
CR	1	550.00	
CU	1	610.00	
FE	1	188.00	
HG	1	0.06	
MG	1	71.90	
MN	1	398.00	
MO	1	12.00	
NI	1	64.00	
P	1	1000.00	
PB	1	31.00	
S	0		
SE	1	18.00	
SN	1	14.00	
SR	1	63.00	
TI	1	326.00	
V	1	38.00	
ZN	1	93.00	
OC	1	57.00	
INC	1	3.60	
TC	1	61.00	
KJN	1	6.00	
VOL	1	22.40	

Kluea Lake
Northern Interior Plateau
Mapsheet: 104 H12

Variable	N	Mean	Std Dev
AL	1	22.20	
AS	1	28.00	
B	1	1.00	
BA	1	593.00	
BE	1	1.00	
CA	1	5.86	
CD	1	1.00	
CO	1	32.00	
CR	1	1160.00	
CU	1	880.00	
FE	1	487.00	
HG	1	0.13	
MG	1	196.00	
MN	1	3740.00	
MO	1	24.00	
NI	1	210.00	
P	1	962.00	
PB	1	29.00	
S	0		
SE	1	14.00	
SN	1	22.00	
SR	1	100.00	
TI	1	4.00	
V	1	49.00	
ZN	1	156.00	
OC	1	25.00	
INC	1	7.20	
TC	1	32.00	
KJN	1	2.50	
VOL	1	12.00	

Little Trapper Lake
Northern Interior Plateau
Mapsheet: 104 K07

Variable	N	Mean	Std Dev
AL	1	17.60	
AS	1	69.00	
B	0		
BA	1	304.00	
BE	0		
CA	1	6.13	
CD	1	1.00	
CO	1	25.00	
CR	1	610.00	
CU	1	1430.00	
FE	1	550.00	
HG	1	0.41	
MG	1	145.00	
MN	1	2880.00	
MO	1	14.00	
NI	1	49.00	
P	1	1130.00	
PB	1	32.00	
S	1	1050.00	
SE	1	19.00	
SN	1	7.00	
SR	1	41.00	
TI	0		
V	0		
ZN	1	146.00	
OC	1	10.00	
INC	1	0.50	
TC	1	10.00	
KJN	1	0.90	
VOL	1	7.20	

Mess Lake
Northern Interior Plateau
Mapsheet: 104 G07

Variable	N	Mean	Std Dev
AL	1	11.60	
AS	1	54.00	
B	1	1.00	
BA	1	253.00	
BE	1	1.00	
CA	1	17.60	
CD	1	1.00	
CO	1	25.00	
CR	1	500.00	
CU	1	630.00	
FE	1	447.00	
HG	1	0.11	
MG	1	245.00	
MN	1	1110.00	
MO	1	14.00	
NI	1	85.00	
P	1	913.00	
PB	1	28.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	53.00	
TI	1	9.00	
V	1	49.00	
ZN	1	110.00	
OC	1	5.00	
INC	1	12.00	
TC	1	17.00	
KJN	1	0.50	
VOL	1	5.40	

Nass Lake
Northern Interior Plateau
Mapsheet: 104 H03

Variable	N	Mean	Std Dev
AL	1	20.50	
AS	1	29.00	
B	1	1.00	
BA	1	281.00	
BE	1	1.00	
CA	1	3.48	
CD	1	1.00	
CO	1	30.00	
CR	1	680.00	
CU	1	810.00	
FE	1	455.00	
HG	1	0.15	
MG	1	107.00	
MN	1	2010.00	
MO	1	20.00	
NI	1	136.00	
P	1	660.00	
PB	1	34.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	51.00	
TI	1	1.00	
V	1	44.00	
ZN	1	121.00	
OC	1	35.00	
INC	1	4.20	
TC	1	39.00	
KJN	1	1.80	
VOL	1	10.50	

Surprise Lake
Northern Interior Plateau
Mapsheet: 104 N11

Variable	N	Mean	Std Dev
AL	1	13.50	
AS	1	23.00	
B	1	16.00	
BA	1	101.00	
BE	1	5.00	
CA	1	3.20	
CD	1	1.00	
CO	1	25.00	
CR	1	750.00	
CU	1	320.00	
FE	1	236.00	
HG	1	0.05	
MG	1	91.80	
MN	1	668.00	
MO	1	22.00	
NI	1	117.00	
P	1	642.00	
PB	1	33.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	16.00	
TI	1	292.00	
V	1	24.00	
ZN	1	113.00	
OC	1	13.00	
INC	1	0.50	
TC	1	13.00	
KJN	1	1.30	
VOL	1	6.40	

Tatsameni Lake
Northern Interior Plateau
Mapsheet: 104 K08

Variable	N	Mean	Std Dev
AL	1	11.70	
AS	1	29.00	
B	0		
BA	1	118.00	
BE	0		
CA	1	22.90	
CD	1	1.00	
CO	1	24.00	
CR	1	890.00	
CU	1	770.00	
FE	1	312.00	
HG	1	0.28	
MG	1	191.00	
MN	1	901.00	
MO	1	8.00	
NI	1	67.00	
P	1	1180.00	
PB	1	31.00	
S	1	570.00	
SE	1	20.00	
SN	1	11.00	
SR	1	38.00	
TI	0		
V	0		
ZN	1	61.00	
OC	1	9.00	
INC	1	0.50	
TC	1	9.00	
KJN	1	0.20	
VOL	1	2.80	

Tatsatua Lake
Northern Interior Plateau
Mapsheet: 104 K08

Variable	N	Mean	Std Dev
AL	1	20.40	
AS	1	9.00	
B	0		
BA	1	198.00	
BE	0		
CA	1	8.49	
CD	1	1.00	
CO	1	32.00	
CR	1	2500.00	
CU	1	1030.00	
FE	1	387.00	
HG	1	0.09	
MG	1	241.00	
MN	1	877.00	
MO	1	10.00	
NI	1	135.00	
P	1	1140.00	
PB	1	25.00	
S	1	1140.00	
SE	1	15.00	
SN	1	8.00	
SR	1	53.00	
TI	0		
V	0		
ZN	1	75.00	
OC	1	9.00	
INC	1	0.50	
TC	1	9.00	
KJN	1	1.10	
VOL	1	6.70	

Todagin Lake
Northern Interior Plateau
Mapsheet: 104 H12

Variable	N	Mean	Std Dev
AL	1	25.10	
AS	1	34.00	
B	1	1.00	
BA	1	322.00	
BE	1	1.00	
CA	1	4.47	
CD	1	1.00	
CO	1	28.00	
CR	1	1040.00	
CU	1	860.00	
FE	1	482.00	
HG	1	0.12	
MG	1	192.00	
MN	1	2510.00	
MO	1	22.00	
NI	1	227.00	
P	1	623.00	
PB	1	24.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	56.00	
TI	1	3.00	
V	1	60.00	
ZN	1	189.00	
OC	1	5.00	
INC	1	6.80	
TC	1	12.00	
KJN	1	1.70	
VOL	1	8.50	

Trout Lake
Northern Interior Plateau
Mapsheet: 104 N10

Variable	N	Mean	Std Dev
AL	1	17.60	
AS	1	287.00	
B	1	233.00	
BA	1	1010.00	
BE	1	3.00	
CA	1	3.80	
CD	1	6.00	
CO	1	20.00	
CR	1	1320.00	
CU	1	680.00	
FE	1	4.00	
HG	1	0.21	
MG	1	65.20	
MN	1	94.00	
MO	1	64.00	
NI	1	48.00	
P	1	2770.00	
PB	1	37.00	
S	0		
SE	1	36.00	
SN	1	6.00	
SR	1	29.00	
TI	1	342.00	
V	1	42.00	
ZN	1	178.00	
OC	1	24.00	
INC	1	1.40	
TC	1	25.00	
KJN	1	2.10	
VOL	1	11.10	

Tumeka Lake
Northern Interior Plateau
Mapsheet: 104 H04

Variable	N	Mean	Std Dev
AL	1	15.70	
AS	1	35.00	
B	1	1.00	
BA	1	172.00	
BE	1	1.00	
CA	1	2.87	
CD	1	1.00	
CO	1	26.00	
CR	1	740.00	
CU	1	650.00	
FE	1	442.00	
HG	1	0.16	
MG	1	102.00	
MN	1	813.00	
MO	1	17.00	
NI	1	131.00	
P	1	802.00	
PB	1	28.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	48.00	
TI	1	2.00	
V	1	40.00	
ZN	1	129.00	
OC	1	10.00	
INC	1	6.20	
TC	1	16.00	
KJN	1	1.30	
VOL	1	6.50	

Tutshi Lake
Northern Interior Plateau
Mapsheet: 104 M15

Variable	N	Mean	Std Dev
AL	1	15.50	
AS	1	150.00	
B	0		
BA	1	160.00	
BE	0		
CA	1	4.58	
CD	1	1.00	
CO	1	10.00	
CR	1	190.00	
CU	1	250.00	
FE	1	287.00	
HG	1	0.05	
MG	1	63.30	
MN	1	1810.00	
MO	1	9.00	
NI	1	14.00	
P	1	480.00	
PB	1	20.00	
S	1	468.00	
SE	1	10.00	
SN	0		
SR	1	50.00	
TI	0		
V	1	30.00	
ZN	1	82.00	
OC	1	25.00	
INC	1	7.00	
TC	1	32.00	
KJN	1	1.50	
VOL	1	6.70	

Victoria Lake
Northern Interior Plateau
Mapsheet: 104 K16

Variable	N	Mean	Std Dev
AL	1	26.80	
AS	1	4.00	
B	0		
BA	1	298.00	
BE	0		
CA	1	11.30	
CD	1	1.00	
CO	1	78.00	
CR	1	3660.00	
CU	1	1030.00	
FE	1	663.00	
HG	1	0.10	
MG	1	701.00	
MN	1	2300.00	
MO	1	1.00	
NI	1	698.00	
P	1	959.00	
PB	1	26.00	
S	1	644.00	
SE	1	38.00	
SN	1	15.00	
SR	1	32.00	
TI	0		
V	0		
ZN	1	119.00	
OC	1	10.00	
INC	1	0.50	
TC	1	10.00	
KJN	1	1.50	
VOL	1	9.20	

Yehiniko Lake
Northern Interior Plateau
Mapsheet: 104 G11

Variable	N	Mean	Std Dev
AL	1	16.70	
AS	1	32.00	
B	1	1.00	
BA	1	181.00	
BE	1	1.00	
CA	1	7.02	
CD	1	1.00	
CO	1	24.00	
CR	1	700.00	
CU	1	810.00	
FE	1	343.00	
HG	1	0.05	
MG	1	190.00	
MN	1	864.00	
MO	1	16.00	
NI	1	93.00	
P	1	915.00	
PB	1	22.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	36.00	
TI	1	948.00	
V	1	65.00	
ZN	1	75.00	
OC	1	1.00	
INC	1	4.70	
TC	1	5.00	
KJN	1	0.10	
VOL	1	2.60	

Bridal Lake
Southern Omineca Belt
Mapsheet: 82 F03

Variable	N	Mean	Std Dev
AL	1	11.70	
AS	1	25.00	
B	1	1.00	
BA	1	118.00	
BE	1	1.00	
CA	1	3.80	
CD	1	1.00	
CO	1	10.00	
CR	1	110.00	
CU	1	130.00	
FE	1	62.00	
HG	1	0.07	
MG	1	17.00	
MN	1	234.00	
MO	1	6.00	
NI	1	8.00	
P	1	767.00	
PB	1	32.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	35.00	
TI	1	335.00	
V	1	21.00	
ZN	1	50.00	
OC	1	142.00	
INC	1	0.50	
TC	1	142.00	
KJN	1	10.00	
VOL	1	34.10	

Champion Lake #2
Southern Omineca Belt
Mapsheet: 82 F04

Variable	N	Mean	Std Dev
AL	1	5.27	
AS	1	25.00	
B	1	1.00	
BA	1	45.00	
BE	1	1.00	
CA	1	11.60	
CD	1	11.00	
CO	1	10.00	
CR	1	80.00	
CU	1	540.00	
FE	1	56.00	
HG	1	0.18	
MG	1	14.20	
MN	1	51.00	
MO	1	6.00	
NI	1	18.00	
P	1	878.00	
PB	1	560.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	59.00	
TI	1	169.00	
V	1	16.00	
ZN	1	363.00	
OC	1	238.00	
INC	1	0.50	
TC	1	238.00	
KJN	1	33.00	
VOL	1	50.40	

Champion Lake #3
Southern Omineca Belt
Mapsheet: 82 F04

Variable	N	Mean	Std Dev
AL	1	8.72	
AS	1	25.00	
B	1	1.00	
BA	1	120.00	
BE	1	1.00	
CA	1	11.60	
CD	1	3.00	
CO	1	10.00	
CR	1	250.00	
CU	1	630.00	
FE	1	255.00	
HG	1	0.23	
MG	1	16.80	
MN	1	1150.00	
MO	1	10.00	
NI	1	36.00	
P	1	950.00	
PB	1	20.00	
S	0		
SE	1	14.00	
SN	1	5.00	
SR	1	68.00	
TI	1	185.00	
V	1	47.00	
ZN	1	183.00	
OC	1	195.00	
INC	1	0.50	
TC	1	195.00	
KJN	1	16.00	
VOL	1	41.80	

Columbia Lake
Southern Omineca Belt
Mapsheet: 82 J04

Variable	N	Mean	Std Dev
AL	1	6.42	
AS	1	25.00	
B	1	1.00	
BA	1	190.00	
BE	1	1.00	
CA	1	202.00	
CD	1	1.00	
CO	1	11.00	
CR	1	120.00	
CU	1	140.00	
FE	1	123.00	
HG	1	0.05	
MG	1	101.00	
MN	1	326.00	
MO	1	6.00	
NI	1	13.00	
P	1	245.00	
PB	1	31.00	
S	0		
SE	1	14.00	
SN	1	16.00	
SR	1	304.00	
TI	1	2.00	
V	1	7.00	
ZN	1	43.00	
OC	1	39.00	
INC	1	69.80	
TC	1	109.00	
KJN	1	4.00	
VOL	1	10.00	

Echo Lake
Southern Omineca Belt
Mapsheet: 82 L02

Variable	N	Mean	Std Dev
AL	1	7.84	
AS	1	23.00	
B	1	1.00	
BA	1	68.00	
BE	1	1.00	
CA	1	10.80	
CD	1	1.00	
CO	1	10.00	
CR	1	310.00	
CU	1	800.00	
FE	1	191.00	
HG	1	0.08	
MG	1	45.50	
MN	1	764.00	
MO	1	16.00	
NI	1	21.00	
P	1	947.00	
PB	1	10.00	
S	0		
SE	1	25.00	
SN	1	8.00	
SR	1	39.00	
TI	1	449.00	
V	1	28.00	
ZN	1	89.00	
OC	1	227.00	
INC	1	3.40	
TC	1	230.00	
KJN	1	15.40	
VOL	1	50.30	

Eilleen Lake
Southern Omineca Belt
Mapsheet: 82 K09

Variable	N	Mean	Std Dev
AL	1	0.39	
AS	1	25.00	
B	1	132.00	
BA	1	6.00	
BE	1	1.00	
CA	1	33.10	
CD	1	1.00	
CO	1	14.00	
CR	1	10.00	
CU	1	120.00	
FE	1	20.00	
HG	1	0.05	
MG	1	506.00	
MN	1	67.00	
MO	1	1.00	
NI	1	5.00	
P	1	311.00	
PB	1	29.00	
S	0		
SE	1	21.00	
SN	1	22.00	
SR	1	394.00	
TI	1	12.00	
V	1	3.00	
ZN	1	8.00	
OC	1	102.00	
INC	1	0.50	
TC	1	102.00	
KJN	1	7.90	
VOL	1	42.10	

Enid Lake
Southern Omineca Belt
Mapsheet: 82 K09

Variable	N	Mean	Std Dev
AL	1	3.69	
AS	1	25.00	
B	0		
BA	1	156.00	
BE	0		
CA	1	207.00	
CD	1	1.00	
CO	1	10.00	
CR	1	110.00	
CU	1	130.00	
FE	1	87.00	
HG	1	0.05	
MG	1	357.00	
MN	1	350.00	
MO	1	8.00	
NI	1	8.00	
P	1	552.00	
PB	1	38.00	
S	1	7570.00	
SE	1	16.00	
SN	1	19.00	
SR	1	724.00	
TI	0		
V	0		
ZN	1	35.00	
OC	1	132.00	
INC	1	45.50	
TC	1	177.00	
KJN	1	10.40	
VOL	1	33.40	

Gardom Lake
Southern Omineca Belt
Mapsheet: 82 L11

Variable	N	Mean	Std Dev
AL	1	1.46	
AS	1	24.00	
B	1	8.00	
BA	1	25.00	
BE	1	1.00	
CA	1	16.30	
CD	1	1.00	
CO	1	10.00	
CR	1	20.00	
CU	1	140.00	
FE	1	38.00	
HG	1	0.05	
MG	1	27.80	
MN	1	122.00	
MO	1	21.00	
NI	1	8.00	
P	1	1280.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	204.00	
TI	1	51.00	
V	1	6.00	
ZN	1	59.00	
OC	1	388.00	
INC	1	2.10	
TC	1	390.00	
KJN	1	35.30	
VOL	1	76.90	

Holstein Lake
Southern Omineca Belt
Mapsheet: 82 L07

Variable	N	Mean	Std Dev
AL	2	3.16	0.04
AS	2	14.00	15.56
B	1	1.00	
BA	2	24.50	2.12
BE	1	1.00	
CA	2	12.10	0.14
CD	2	1.50	0.71
CO	2	10.00	0.00
CR	2	70.00	0.00
CU	2	250.00	169.71
FE	2	45.00	11.31
HG	2	0.17	0.03
MG	2	8.45	0.21
MN	2	107.00	1.41
MO	2	2.50	0.71
NI	2	6.50	0.71
P	2	1265.00	176.78
PB	2	48.50	14.85
S	1	7030.00	
SE	2	10.00	0.00
SN	2	5.00	0.00
SR	2	22.50	0.71
TI	1	84.00	
V	1	8.00	
ZN	2	65.00	4.24
OC	2	288.00	22.63
INC	2	2.20	1.84
TC	2	290.50	20.51
KJN	2	27.75	0.35
VOL	2	69.60	11.74

Jewel Lake
Southern Omineca Belt
Mapsheet: 82 E02

Variable	N	Mean	Std Dev
AL	1	9.40	
AS	1	25.00	
B	1	1.00	
BA	1	81.00	
BE	1	1.00	
CA	1	34.00	
CD	1	1.00	
CO	1	12.00	
CR	1	680.00	
CU	1	780.00	
FE	1	282.00	
HG	1	0.15	
MG	1	109.00	
MN	1	1330.00	
MO	1	22.00	
NI	1	49.00	
P	1	471.00	
PB	1	260.00	
S	0		
SE	1	10.00	
SN	1	9.00	
SR	1	75.00	
TI	1	39.00	
V	1	53.00	
ZN	1	75.00	
OC	1	34.00	
INC	1	6.30	
TC	1	40.00	
KJN	1	2.30	
VOL	1	6.70	

Jim Smith Lake
Southern Omineca Belt
Mapsheet: 82 G05

Variable	N	Mean	Std Dev
AL	1	3.68	
AS	1	25.00	
B	1	17.00	
BA	1	52.00	
BE	1	1.00	
CA	1	45.90	
CD	1	1.00	
CO	1	13.00	
CR	1	80.00	
CU	1	370.00	
FE	1	89.00	
HG	1	0.06	
MG	1	32.70	
MN	1	156.00	
MO	1	9.00	
NI	1	13.00	
P	1	869.00	
PB	1	16.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	66.00	
TI	1	101.00	
V	1	12.00	
ZN	1	35.00	
OC	1	322.00	
INC	1	14.50	
TC	1	337.00	
KJN	1	18.00	
VOL	1	70.90	

Kalamalka Lake
Southern Omineca Belt
Mapsheet: 82 L06

Variable	N	Mean	Std Dev
AL	1	1.82	
AS	1	2.00	
B	0		
BA	1	98.00	
BE	0		
CA	1	391.00	
CD	1	1.00	
CO	1	12.00	
CR	1	50.00	
CU	1	110.00	
FE	1	28.00	
HG	1	0.05	
MG	1	47.40	
MN	1	128.00	
MO	1	3.00	
NI	1	8.00	
P	1	221.00	
PB	1	23.00	
S	1	2600.00	
SE	1	25.00	
SN	1	21.00	
SR	1	618.00	
TI	0		
V	0		
ZN	1	13.00	
OC	1	20.00	
INC	1	94.80	
TC	1	115.00	
KJN	1	2.50	
VOL	1	6.50	

Koocanusa Lake
Southern Omineca Belt
Mapsheet: 82 G03

Variable	N	Mean	Std Dev
AL	1	9.80	
AS	1	20.00	
B	1	14.00	
BA	1	90.00	
BE	1	1.00	
CA	1	73.00	
CD	1	1.00	
CO	1	10.00	
CR	1	290.00	
CU	1	150.00	
FE	1	194.00	
HG	1	0.09	
MG	1	168.00	
MN	1	514.00	
MO	1	12.00	
NI	1	16.00	
P	1	595.00	
PB	1	32.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	118.00	
TI	1	11.00	
V	1	10.00	
ZN	1	128.00	
OC	1	18.00	
INC	1	26.00	
TC	1	44.00	
KJN	1	1.00	
VOL	1	5.00	

Kootenay Lake
Southern Omineca Belt
Mapsheet: 82 F10

Variable	N	Mean	Std Dev
AL	1	20.00	
AS	1	121.00	
B	1	1.00	
BA	1	249.00	
BE	1	1.00	
CA	1	7.70	
CD	1	1.00	
CO	1	13.00	
CR	1	0.00	
CU	1	460.00	
FE	1	386.00	
HG	1	0.14	
MG	1	107.00	
MN	1	5000.00	
MO	1	13.00	
NI	1	33.00	
P	1	1730.00	
PB	1	543.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	42.00	
TI	1	10?.00	
V	1	23.00	
ZN	1	627.00	
OC	1	18.00	
INC	1	5.20	
TC	1	23.00	
KJN	1	1.90	
VOL	1	11.10	

Lillian Lake
Southern Omineca Belt
Mapsheet: 82 K09

Variable	N	Mean	Std Dev
AL	1	5.82	
AS	1	24.00	
B	1	9.00	
BA	1	105.00	
BE	1	1.00	
CA	1	216.00	
CD	1	1.00	
CO	1	28.00	
CR	1	10.00	
CU	1	200.00	
FE	1	37.00	
HG	1	0.05	
MG	1	114.00	
MN	1	465.00	
MO	1	1.00	
NI	1	5.00	
P	1	443.00	
PB	1	34.00	
S	0		
SE	1	23.00	
SN	1	16.00	
SR	1	431.00	
TI	1	17.00	
V	1	5.00	
ZN	1	35.00	
OC	1	117.00	
INC	1	59.00	
TC	1	176.00	
KJN	1	12.60	
VOL	1	29.30	

Mornich Lake
Southern Omineca Belt
Mapsheet: 82 M06

Variable	N	Mean	Std Dev
AL	1	28.10	
AS	1	36.00	
B	1	1.00	
BA	1	246.00	
BE	1	1.00	
CA	1	3.50	
CD	1	1.00	
CO	1	28.00	
CR	1	570.00	
CU	1	310.00	
FE	1	494.00	
HG	1	0.24	
MG	1	81.30	
MN	1	1120.00	
MO	1	24.00	
NI	1	42.00	
P	1	1270.00	
PB	1	51.00	
S	0		
SE	1	19.00	
SN	1	15.00	
SR	1	44.00	
TI	1	1050.00	
V	1	60.00	
ZN	1	77.00	
OC	1	62.00	
INC	1	5.00	
TC	1	67.00	
KJN	1	4.50	
VOL	1	18.90	

Moyie Lake
Southern Omineca Belt
Mapsheet: 82 G05

Variable	N	Mean	Std Dev
AL	1	11.30	
AS	1	25.00	
B	1	1.00	
BA	1	59.00	
BE	1	1.00	
CA	1	1.70	
CD	1	1.00	
CO	1	10.00	
CR	1	210.00	
CU	1	230.00	
FE	1	204.00	
HG	1	0.08	
MG	1	45.90	
MN	1	427.00	
MO	1	7.00	
NI	1	16.00	
P	1	398.00	
PB	1	37.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	7.00	
TI	1	385.00	
V	1	22.00	
ZN	1	80.00	
OC	1	11.00	
INC	1	2.40	
TC	1	13.00	
KJN	1	1.10	
VOL	1	4.60	

Nancy Green Lake
Southern Omineca Belt
Mapsheet: 82 F05

Variable	N	Mean	Std Dev
AL	1	10.50	
AS	1	25.00	
B	1	1.00	
BA	1	224.00	
BE	1	1.00	
CA	1	8.60	
CD	1	1.00	
CO	1	10.00	
CR	1	290.00	
CU	1	250.00	
FE	1	169.00	
HG	1	0.17	
MG	1	24.80	
MN	1	243.00	
MO	1	10.00	
NI	1	19.00	
P	1	1510.00	
PB	1	56.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	101.00	
TI	1	252.00	
V	1	29.00	
ZN	1	63.00	
OC	1	169.00	
INC	1	0.50	
TC	1	169.00	
KJN	1	16.00	
VOL	1	37.10	

North Star Lake
Southern Omineca Belt
Mapsheet: 82 G06

Variable	N	Mean	Std Dev
AL	1	3.66	
AS	1	9.00	
B	0		
BA	1	61.00	
BE	0		
CA	1	10.00	
CD	1	2.00	
CO	1	10.00	
CR	1	60.00	
CU	1	160.00	
FE	1	76.00	
HG	0		
MG	1	50.80	
MN	1	164.00	
MO	1	2.00	
NI	1	5.00	
P	1	1770.00	
PB	1	43.00	
S	1	8860.00	
SE	1	10.00	
SN	1	5.00	
SR	1	26.00	
TI	0		
V	0		
ZN	1	88.00	
OC	0		
INC	0		
TC	0		
KJN	1	24.20	
VOL	0		

Premier Lake
Southern Omineca Belt
Mapsheet: 82 G13

Variable	N	Mean	Std Dev
AL	1	2.49	
AS	1	25.00	
B	1	4.00	
BA	1	292.00	
BE	1	1.00	
CA	1	212.00	
CD	1	1.00	
CO	1	10.00	
CR	1	60.00	
CU	1	80.00	
FE	1	53.00	
HG	1	0.05	
MG	1	87.80	
MN	1	194.00	
MO	1	3.00	
NI	1	5.00	
P	1	433.00	
PB	1	40.00	
S	0		
SE	1	16.00	
SN	1	19.00	
SR	1	329.00	
TI	1	8.00	
V	1	3.00	
ZN	1	27.00	
OC	1	69.00	
INC	1	77.90	
TC	1	149.00	
KJN	1	6.90	
VOL	1	16.40	

Providence Lake
Southern Omineca Belt
Mapsheet: 82 E02

Variable	N	Mean	Std Dev
AL	1	19.20	
AS	1	64.00	
B	1	1.00	
BA	1	244.00	
BE	1	1.00	
CA	1	120.00	
CD	1	1.00	
CO	1	34.00	
CR	1	600.00	
CU	1	7990.00	
FE	1	728.00	
HG	1	0.10	
MG	1	139.00	
MN	1	2630.00	
MO	1	24.00	
NI	1	37.00	
P	1	1130.00	
PB	1	30.00	
S	0		
SE	1	24.00	
SN	1	33.00	
SR	1	158.00	
TI	1	3.00	
V	1	51.00	
ZN	1	59.00	
OC	1	4.00	
INC	1	38.00	
TC	1	42.00	
KJN	1	0.20	
VOL	1	2.70	

St. Mary Lake
Southern Omineca Belt
Mapsheet: 82 F09

Variable	N	Mean	Std Dev
AL	1	9.32	
AS	1	25.00	
B	1	1.00	
BA	1	53.00	
BE	1	1.00	
CA	1	2.00	
CD	1	1.00	
CO	1	10.00	
CR	1	190.00	
CU	1	230.00	
FE	1	173.00	
HG	1	0.09	
MG	1	46.40	
MN	1	387.00	
MO	1	6.00	
NI	1	15.00	
P	1	478.00	
PB	1	28.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	11.00	
TI	1	375.00	
V	1	19.00	
ZN	1	54.00	
OC	1	32.00	
INC	1	0.50	
TC	1	32.00	
KJN	1	0.50	
VOL	1	6.20	

Suzanne Lake
Southern Omineca Belt
Mapsheet: 82 G06

Variable	N	Mean	Std Dev
AL	1	1.56	
AS	1	1.00	
B	0		
BA	1	129.00	
BE	0		
CA	1	138.00	
CD	1	1.00	
CO	1	10.00	
CR	1	20.00	
CU	1	50.00	
FE	1	26.00	
HG	1	0.05	
MG	1	59.00	
MN	1	370.00	
MO	1	4.00	
NI	1	5.00	
P	1	561.00	
PB	1	29.00	
S	1	7040.00	
SE	1	18.00	
SN	1	25.00	
SR	1	174.00	
TI	0		
V	0		
ZN	1	30.00	
OC	1	213.00	
INC	1	31.70	
TC	1	245.00	
KJN	1	15.00	
VOL	1	44.00	

Three Valley Lake
Southern Omineca Belt
Mapsheet: 82 L16

Variable	N	Mean	Std Dev
AL	2	34.25	4.31
AS	2	41.50	23.33
B	1	14.00	
BA	2	231.00	155.56
BE	1	1.00	
CA	2	10.35	6.58
CD	2	1.00	0.00
CO	2	56.00	9.90
CR	2	795.00	77.78
CU	2	1665.00	1590.99
FE	2	591.00	141.42
HG	2	0.17	0.13
MG	2	143.50	20.51
MN	2	3042.50	3503.71
MO	2	26.00	4.24
NI	2	50.50	9.19
P	2	1009.00	326.68
PB	2	60.50	23.33
S	1	1270.00	
SE	2	18.50	6.36
SN	2	10.00	4.24
SR	2	38.50	13.44
TI	1	4170.00	
V	1	170.00	
ZN	2	310.00	295.57
OC	2	45.00	5.66
INC	2	2.95	0.07
TC	2	48.00	5.66
KJN	2	2.85	0.21
VOL	2	13.60	2.12

Tie Lake
Southern Omineca Belt
Mapsheet: 82 G06

Variable	N	Mean	Std Dev
AL	2	2.74	0.52
AS	2	9.50	0.71
B	0		
BA	2	145.00	45.25
BE	0		
CA	2	123.95	69.37
CD	2	1.00	0.00
CO	2	10.00	0.00
CR	2	0.00	0.00
CU	2	90.00	28.28
FE	2	26.00	2.83
HG	0		
MG	2	50.50	10.75
MN	0		
MO	2	6.50	0.71
NI	2	5.00	0.00
P	2	702.00	391.74
PB	2	31.50	6.36
S	0		
SE	2	0.00	0.00
SN	0		
SR	0		
TI	2	47.50	12.02
V	2	6.50	0.71
ZN	0		
OC	0		
INC	0		
TC	2	252.50	64.35
KJN	2	19.70	8.20
VOL	0		

Tumtum Lake
Southern Omineca Belt
Mapsheet: 82 M14

Variable	N	Mean	Std Dev
AL	1	32.40	
AS	1	37.00	
B	1	1.00	
BA	1	238.00	
BE	1	1.00	
CA	1	4.50	
CD	1	1.00	
CO	1	51.00	
CR	1	730.00	
CU	1	520.00	
FE	1	482.00	
HG	1	0.05	
MG	1	134.00	
MN	1	480.00	
MO	1	18.00	
NI	1	51.00	
P	1	624.00	
PB	1	141.00	
S	0		
SE	1	16.00	
SN	1	5.00	
SR	1	41.00	
TI	1	2720.00	
V	1	68.00	
ZN	1	113.00	
OC	1	16.00	
INC	1	3.70	
TC	1	20.00	
KJN	1	1.20	
VOL	1	6.50	

Wasa Lake
Southern Omineca Belt
Mapsheet: 82 G13

Variable	N	Mean	Std Dev
AL	1	7.75	
AS	1	25.00	
B	1	1.00	
BA	1	196.00	
BE	1	1.00	
CA	1	182.00	
CD	1	1.00	
CO	1	10.00	
CR	1	130.00	
CU	1	180.00	
FE	1	146.00	
HG	1	0.07	
MG	1	135.00	
MN	1	219.00	
MO	1	5.00	
NI	1	15.00	
P	1	425.00	
PB	1	37.00	
S	0		
SE	1	12.00	
SN	1	7.00	
SR	1	561.00	
TI	1	4.00	
V	1	7.00	
ZN	1	58.00	
OC	1	28.00	
INC	1	53.00	
TC	1	81.00	
KJN	1	4.00	
VOL	1	8.10	

Wilgress Lake
Southern Omineca Belt
Mapsheet: 82 E02

Variable	N	Mean	Std Dev
AL	1	4.19	
AS	1	25.00	
B	1	2.00	
BA	1	34.00	
BE	1	1.00	
CA	1	12.90	
CD	1	1.00	
CO	1	10.00	
CR	1	40.00	
CU	1	660.00	
FE	1	63.00	
HG	1	0.05	
MG	1	10.90	
MN	1	237.00	
MO	1	13.00	
NI	1	7.00	
P	1	758.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	61.00	
TI	1	127.00	
V	1	43.00	
ZN	1	40.00	
OC	1	215.00	
INC	1	2.90	
TC	1	218.00	
KJN	1	20.00	
VOL	1	47.00	

Windemere Lake
Southern Omineca Belt
Mapsheet: 82 J05

Variable	N	Mean	Std Dev
AL	1	9.60	
AS	1	26.00	
B	1	1.00	
BA	1	278.00	
BE	1	1.00	
CA	1	103.00	
CD	1	1.00	
CO	1	10.00	
CR	1	200.00	
CU	1	330.00	
FE	1	309.00	
HG	1	0.15	
MG	1	115.00	
MN	1	1210.00	
MO	1	9.00	
NI	1	24.00	
P	1	348.00	
PB	1	51.00	
S	0		
SE	1	11.00	
SN	1	10.00	
SR	1	192.00	
TI	1	1.00	
V	1	10.00	
ZN	1	75.00	
OC	1	61.00	
INC	1	27.00	
TC	1	88.00	
KJN	1	5.80	
VOL	1	15.80	

Bear Lake
Central Omineca Belt
Mapsheet: 93 J07

Variable	N	Mean	Std Dev
AL	1	6.02	
AS	1	3.00	
B	0		
BA	1	58.00	
BE	0		
CA	1	3.87	
CD	1	1.00	
CO	1	11.00	
CR	1	280.00	
CU	1	250.00	
FE	1	137.00	
HG	1	0.07	
MG	1	10.60	
MN	1	77.00	
MO	1	3.00	
NI	1	19.00	
P	1	1670.00	
PB	1	21.00	
S	1	2790.00	
SE	1	11.00	
SN	1	13.00	
SR	1	22.00	
TI	0		
V	0		
ZN	1	96.00	
OC	1	362.00	
INC	1	2.30	
TC	1	364.00	
KJN	1	29.80	
VOL	1	76.00	

Burden Lake
Central Omineca Belt
Mapsheet: 93 O12

Variable	N	Mean	Std Dev
AL	1	3.30	
AS	1	33.00	
B	1	3.00	
BA	1	128.00	
BE	1	1.00	
CA	1	30.10	
CD	1	4.00	
CO	1	10.00	
CR	1	160.00	
CU	1	270.00	
FE	1	113.00	
HG	1	0.47	
MG	1	21.90	
MN	1	630.00	
MO	1	9.00	
NI	1	11.00	
P	1	1220.00	
PB	1	23.00	
S	0		
SE	1	12.00	
SN	1	5.00	
SR	1	52.00	
TI	1	95.00	
V	1	21.00	
ZN	1	58.00	
OC	1	284.00	
INC	1	6.60	
TC	1	291.00	
KJN	1	28.00	
VOL	1	61.60	

Davie Lake
Central Omineca Belt
Mapsheet: 93 J10

Variable	N	Mean	Std Dev
AL	2	16.65	0.64
AS	2	25.00	0.00
B	1	20.00	
BA	2	246.50	12.02
BE	1	1.00	
CA	2	7.72	1.02
CD	2	1.00	0.00
CO	2	10.00	0.00
CR	2	855.00	77.78
CU	2	300.00	14.14
FE	2	358.50	7.78
HG	2	0.25	0.01
MG	2	58.60	2.83
MN	2	741.00	103.24
MO	2	16.00	5.66
NI	2	51.00	2.83
P	2	1400.00	155.56
PB	2	19.00	2.83
S	1	714.00	
SE	2	10.00	0.00
SN	2	5.00	0.00
SR	2	42.00	1.41
TI	1	66.00	
V	1	31.00	
ZN	2	87.50	0.71
OC	2	76.50	2.12
INC	2	3.65	0.21
TC	2	80.50	2.12
KJN	2	7.70	0.28
VOL	2	22.70	0.14

Dina Lake
Central Omineca Belt
Mapsheet: 93 O11

Variable	N	Mean	Std Dev
AL	1	14.20	
AS	1	25.00	
B	1	1.00	
BA	1	132.00	
BE	1	1.00	
CA	1	6.70	
CD	1	1.00	
CO	1	23.00	
CR	1	340.00	
CU	1	440.00	
FE	1	244.00	
HG	1	0.50	
MG	1	56.30	
MN	1	269.00	
MO	1	8.00	
NI	1	46.00	
P	1	840.00	
PB	1	31.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	41.00	
TI	1	83.00	
V	1	37.00	
ZN	1	95.00	
OC	1	114.00	
INC	1	2.50	
TC	1	117.00	
KJN	1	11.00	
VOL	1	25.60	

Eaglet Lake
Central Omineca Belt
Mapsheet: 93 J01

Variable	N	Mean	Std Dev
AL	1	20.40	
AS	1	25.00	
B	0		
BA	1	223.00	
BE	0		
CA	1	7.74	
CD	1	1.00	
CO	1	14.00	
CR	1	730.00	
CU	1	460.00	
FE	1	478.00	
HG	1	0.18	
MG	1	92.50	
MN	1	1090.00	
MO	1	21.00	
NI	1	48.00	
P	1	1800.00	
PB	1	36.00	
S	1	665.00	
SE	1	13.00	
SN	1	7.00	
SR	1	68.00	
TI	0		
V	0		
ZN	1	123.00	
OC	1	52.00	
INC	1	3.80	
TC	1	56.00	
KJN	1	5.60	
VOL	1	18.40	

Firth Lake
Central Omineca Belt
Mapsheet: 93 J15

Variable	N	Mean	Std Dev
AL	1	8.87	
AS	1	55.00	
B	1	13.00	
BA	1	439.00	
BE	1	1.00	
CA	1	16.80	
CD	1	2.00	
CO	1	14.00	
CR	1	1200.00	
CU	1	440.00	
FE	1	486.00	
HG	1	0.25	
MG	1	47.40	
MN	1	1280.00	
MO	1	11.00	
NI	1	51.00	
P	1	2540.00	
PB	1	42.00	
S	0		
SE	1	30.00	
SN	1	20.00	
SR	1	39.00	
TI	1	151.00	
V	1	49.00	
ZN	1	83.00	
OC	1	210.00	
INC	1	0.90	
TC	1	211.00	
KJN	1	18.00	
VOL	1	46.10	

Haggen Lake #1
Central Omineca Belt
Mapsheet: 93 H05

Variable	N	Mean	Std Dev
AL	1	25.30	
AS	1	32.00	
B	1	1.00	
BA	1	229.00	
BE	1	1.00	
CA	1	2.12	
CD	1	1.00	
CO	1	13.00	
CR	1	780.00	
CU	1	1430.00	
FE	1	302.00	
HG	1	0.23	
MG	1	64.80	
MN	1	234.00	
MO	1	17.00	
NI	1	70.00	
P	1	2760.00	
PB	1	35.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	12.00	
TI	1	713.00	
V	1	75.00	
ZN	1	149.00	
OC	1	210.00	
INC	1	1.30	
TC	1	211.00	
KJN	1	16.10	
VOL	1	44.10	

Haggen Lake #2
Central Omineca Belt
Mapsheet: 93 H05

Variable	N	Mean	Std Dev
AL	1	9.64	
AS	1	81.00	
B	1	1.00	
BA	1	185.00	
BE	1	1.00	
CA	1	13.40	
CD	1	1.00	
CO	1	10.00	
CR	1	710.00	
CU	1	740.00	
FE	1	602.00	
HG	1	0.18	
MG	1	39.30	
MN	1	3290.00	
MO	1	19.00	
NI	1	39.00	
P	1	8430.00	
PB	1	13.00	
S	0		
SE	1	10.00	
SN	1	16.00	
SR	1	58.00	
TI	1	368.00	
V	1	41.00	
ZN	1	79.00	
OC	1	140.00	
INC	1	6.00	
TC	1	146.00	
KJN	1	16.30	
VOL	1	34.70	

Haggen Lake #3
Central Omineca Belt
Mapsheet: 93 H12

Variable	N	Mean	Std Dev
AL	1	12.00	
AS	1	35.00	
B	1	1.00	
BA	1	645.00	
BE	1	1.00	
CA	1	4.55	
CD	1	1.00	
CO	1	10.00	
CR	1	460.00	
CU	1	940.00	
FE	1	447.00	
HG	0		
MG	1	22.10	
MN	1	623.00	
MO	1	9.00	
NI	1	40.00	
P	1	4780.00	
PB	1	37.00	
S	0		
SE	1	10.00	
SN	1	42.00	
SR	1	21.00	
TI	1	344.00	
V	1	62.00	
ZN	1	89.00	
OC	1	283.00	
INC	1	3.80	
TC	1	287.00	
KJN	1	23.60	
VOL	1	59.40	

Haggen Lake #4
Central Omineca Belt
Mapsheet: 93 H12

Variable	N	Mean	Std Dev
AL	1	13.50	
AS	1	27.00	
B	1	1.00	
BA	1	99.00	
BE	1	1.00	
CA	1	3.72	
CD	1	1.00	
CO	1	16.00	
CR	1	480.00	
CU	1	390.00	
FE	1	355.00	
HG	1	0.05	
MG	1	81.30	
MN	1	588.00	
MO	1	11.00	
NI	1	45.00	
P	1	586.00	
PB	1	28.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	15.00	
TI	1	644.00	
V	1	47.00	
ZN	1	81.00	
OC	1	2.00	
INC	1	5.10	
TC	1	7.00	
KJN	1	0.50	
VOL	1	3.00	

Haggen Lake #5
Central Omineca Belt
Mapsheet: 93 H12

Variable	N	Mean	Std Dev
AL	1	23.10	
AS	1	31.00	
B	1	1.00	
BA	1	202.00	
BE	1	1.00	
CA	1	2.12	
CD	1	1.00	
CO	1	20.00	
CR	1	750.00	
CU	1	700.00	
FE	1	522.00	
HG	1	0.17	
MG	1	91.30	
MN	1	669.00	
MO	1	15.00	
NI	1	68.00	
P	1	1390.00	
PB	1	36.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	0		
TI	1	544.00	
V	1	61.00	
ZN	1	123.00	
OC	1	47.00	
INC	1	2.30	
TC	1	49.00	
KJN	1	4.30	
VOL	1	14.60	

Kostal Lake
Central Omineca Belt
Mapsheet: 93 A01

Variable	N	Mean	Std Dev
AL	1	20.40	
AS	1	1.00	
B	0		
BA	1	64.00	
BE	0		
CA	1	4.78	
CD	1	1.00	
CO	1	10.00	
CR	1	330.00	
CU	1	360.00	
FE	1	176.00	
HG	1	0.16	
MG	1	27.10	
MN	1	112.00	
MO	1	8.00	
NI	1	21.00	
P	1	2090.00	
PB	1	18.00	
S	1	2160.00	
SE	1	16.00	
SN	1	9.00	
SR	1	30.00	
TI	0		
V	0		
ZN	1	44.00	
OC	1	27.00	
INC	1	0.80	
TC	1	27.00	
KJN	1	13.20	
VOL	1	40.50	

Mc Dougall Lake
Central Omineca Belt
Mapsheet: 83 D04

Variable	N	Mean	Std Dev
AL	1	24.40	
AS	1	3.00	
B	0		
BA	1	267.00	
BE	0		
CA	1	4.56	
CD	1	4.00	
CO	1	37.00	
CR	1	1000.00	
CU	1	410.00	
FE	1	914.00	
HG	1	0.17	
MG	1	56.40	
MN	1	10500.00	
MO	1	23.00	
NI	1	44.00	
P	1	1740.00	
PB	1	42.00	
S	1	1580.00	
SE	1	36.00	
SN	1	19.00	
SR	1	40.00	
TI	0		
V	0		
ZN	1	102.00	
OC	1	92.00	
INC	1	1.00	
TC	1	93.00	
KJN	1	6.20	
VOL	1	25.50	

Monroe Lake
Central Omineca Belt
Mapsheet: 93 N08

Variable	N	Mean	Std Dev
AL	1	15.30	
AS	1	5.00	
B	0		
BA	1	252.00	
BE	0		
CA	1	8.97	
CD	1	1.00	
CO	1	15.00	
CR	1	460.00	
CU	1	500.00	
FE	1	437.00	
HG	1	0.26	
MG	1	38.20	
MN	1	1230.00	
MO	1	9.00	
NI	1	22.00	
P	1	3400.00	
PB	1	22.00	
S	1	2490.00	
SE	1	12.00	
SN	1	5.00	
SR	1	55.00	
TI	0		
V	0		
ZN	1	60.00	
OC	1	135.00	
INC	1	0.90	
TC	1	136.00	
KJN	1	10.70	
VOL	1	33.50	

McLeod Lake
Central Omineca Belt
Mapsheet: 93 J14

Variable	N	Mean	Std Dev
AL	1	15.10	
AS	1	8.00	
B	0		
BA	1	473.00	
BE	0		
CA	1	7.65	
CD	1	1.00	
CO	1	25.00	
CR	1	660.00	
CU	1	350.00	
FE	1	539.00	
HG	1	0.26	
MG	1	71.30	
MN	1	2750.00	
MO	1	9.00	
NI	1	56.00	
P	1	1830.00	
PB	1	57.00	
S	1	1020.00	
SE	1	20.00	
SN	1	11.00	
SR	1	35.00	
TI	0		
V	0		
ZN	1	122.00	
OC	1	62.00	
INC	1	1.10	
TC	1	63.00	
KJN	1	6.50	
VOL	1	18.80	

Mud Lake
Central Omineca Belt
Mapsheet: 83 D03

Variable	N	Mean	Std Dev
AL	1	31.40	
AS	1	46.00	
B	1	1.00	
BA	1	271.00	
BE	1	1.00	
CA	1	4.20	
CD	1	1.00	
CO	1	56.00	
CR	1	810.00	
CU	1	790.00	
FE	1	541.00	
HG	1	0.07	
MG	1	162.00	
MN	1	620.00	
MO	1	20.00	
NI	1	34.00	
P	1	604.00	
PB	1	79.00	
S	0		
SE	1	17.00	
SN	1	5.00	
SR	1	19.00	
TI	1	3610.00	
V	1	85.00	
ZN	1	116.00	
OC	1	9.00	
INC	1	5.50	
TC	1	14.00	
KJN	1	0.40	
VOL	1	3.20	

Murtle Lake
Central Omineca Belt
Mapsheet: 83 D04

Variable	N	Mean	Std Dev
AL	1	29.50	
AS	1	3.00	
B	0		
BA	1	222.00	
BE	0		
CA	1	2.90	
CD	1	7.00	
CO	1	56.00	
CR	1	1380.00	
CU	1	490.00	
FE	1	113.00	
HG	1	0.13	
MG	1	107.00	
MN	1	11100.00	
MO	1	28.00	
NI	1	62.00	
P	1	1510.00	
PB	1	53.00	
S	1	1210.00	
SE	1	45.00	
SN	1	14.00	
SR	1	34.00	
TI	0		
V	0		
ZN	1	134.00	
OC	1	47.00	
INC	1	1.30	
TC	1	48.00	
KJN	1	3.80	
VOL	1	17.50	

Nina Lake
Central Omineca Belt
Mapsheet: 93 N10

Variable	N	Mean	Std Dev
AL	1	18.00	
AS	1	25.00	
B	0		
BA	1	526.00	
BE	0		
CA	1	8.82	
CD	1	1.00	
CO	1	29.00	
CR	1	1230.00	
CU	1	1120.00	
FE	1	486.00	
HG	1	0.23	
MG	1	109.00	
MN	1	1380.00	
MO	1	18.00	
NI	1	75.00	
P	1	1380.00	
PB	1	30.00	
S	1	3240.00	
SE	1	10.00	
SN	1	11.00	
SR	1	27.00	
TI	0		
V	0		
ZN	1	175.00	
OC	1	54.00	
INC	1	2.10	
TC	1	56.00	
KJN	1	4.70	
VOL	1	16.30	

Ray Lake
Central Omineca Belt
Mapsheet: 93 A01

Variable	N	Mean	Std Dev
AL	1	28.70	
AS	1	2.00	
B	0		
BA	1	163.00	
BE	0		
CA	1	6.22	
CD	1	1.00	
CO	1	23.00	
CR	1	480.00	
CU	1	380.00	
FE	1	305.00	
HG	1	0.25	
MG	1	54.90	
MN	1	281.00	
MO	1	14.00	
NI	1	40.00	
P	1	1950.00	
PB	1	34.00	
S	1	1880.00	
SE	1	18.00	
SN	1	9.00	
SR	1	48.00	
TI	0		
V	0		
ZN	1	106.00	
OC	1	118.00	
INC	1	3.60	
TC	1	122.00	
KJN	1	8.60	
VOL	1	31.00	

Skunk Lake
Central Omineca Belt
Mapsheet: 93 N08

Variable	N	Mean	Std Dev
AL	1	6.62	
AS	1	2.00	
B	0		
BA	1	44.00	
BE	0		
CA	1	10.30	
CD	1	1.00	
CO	1	10.00	
CR	1	190.00	
CU	1	530.00	
FE	1	89.00	
HG	1	0.09	
MG	1	32.10	
MN	1	165.00	
MO	1	4.00	
NI	1	22.00	
P	1	2110.00	
PB	1	10.00	
S	1	6040.00	
SE	1	10.00	
SN	1	25.00	
SR	1	23.00	
TI	0		
V	0		
ZN	1	37.00	
OC	1	234.00	
INC	1	1.30	
TC	1	235.00	
KJN	1	24.20	
VOL	1	50.80	

Summit Lake
Central Omineca Belt
Mapsheet: 93 J07

Variable	N	Mean	Std Dev
AL	1	17.40	
AS	1	3.00	
B	0		
BA	1	320.00	
BE	0		
CA	1	6.65	
CD	1	1.00	
CO	1	10.00	
CR	1	490.00	
CU	1	310.00	
FE	1	225.00	
HG	1	0.22	
MG	1	42.40	
MN	1	764.00	
MO	1	7.00	
NI	1	44.00	
P	1	2390.00	
PB	1	28.00	
S	1	1380.00	
SE	1	15.00	
SN	1	6.00	
SR	1	42.00	
TI	0		
V	0		
ZN	1	113.00	
OC	1	117.00	
INC	1	0.50	
TC	1	117.00	
KJN	1	11.60	
VOL	1	31.40	

Tabor Lake
Central Omineca Belt
Mapsheet: 93 G15

Variable	N	Mean	Std Dev
AL	1	15.60	
AS	1	4.00	
B	0		
BA	1	174.00	
BE	0		
CA	1	10.60	
CD	1	1.00	
CO	1	12.00	
CR	1	430.00	
CU	1	560.00	
FE	1	237.00	
HG	1	0.16	
MG	1	67.40	
MN	1	728.00	
MO	1	7.00	
NI	1	44.00	
P	1	1610.00	
PB	1	18.00	
S	1	4950.00	
SE	1	16.00	
SN	1	9.00	
SR	1	59.00	
TI	0		
V	0		
ZN	1	103.00	
OC	1	155.00	
INC	1	3.10	
TC	1	158.00	
KJN	1	18.20	
VOL	1	35.80	

Aiken Lake
Northern Omineca Belt
Mapsheet: 94 C05

Variable	N	Mean	Std Dev
AL	1	20.80	
AS	1	25.00	
B	1	1.00	
BA	1	207.00	
BE	1	1.00	
CA	1	4.40	
CD	1	1.00	
CO	1	38.00	
CR	1	880.00	
CU	1	990.00	
FE	1	393.00	
HG	1	0.27	
MG	1	146.00	
MN	1	1490.00	
MO	1	15.00	
NI	1	62.00	
P	1	873.00	
PB	1	24.00	
S	0		
SE	1	13.00	
SN	1	6.00	
SR	1	39.00	
TI	1	744.00	
V	1	67.00	
ZN	1	85.00	
OC	1	14.00	
INC	1	3.10	
TC	1	17.00	
KJN	1	1.20	
VOL	1	6.20	

Alec Chief Lake
Northern Omineca Belt
Mapsheet: 104 P13

Variable	N	Mean	Std Dev
AL	1	12.80	
AS	1	37.00	
B	1	42.00	
BA	1	1600.00	
BE	1	1.00	
CA	1	5.20	
CD	1	1.00	
CO	1	18.00	
CR	1	590.00	
CU	1	1000.00	
FE	1	386.00	
HG	1	0.29	
MG	1	63.70	
MN	1	8580.00	
MO	1	31.00	
NI	1	79.00	
P	1	1310.00	
PB	1	36.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	40.00	
TI	1	115.00	
V	1	30.00	
ZN	1	233.00	
OC	1	25.00	
INC	1	2.60	
TC	1	28.00	
KJN	1	3.20	
VOL	1	11.20	

Beale Lake
Northern Omineca Belt
Mapsheet: 104 I14

Variable	N	Mean	Std Dev
AL	1	14.30	
AS	1	11.00	
B	0		
BA	1	135.00	
BE	0		
CA	1	3.24	
CD	1	1.00	
CO	1	19.00	
CR	1	360.00	
CU	1	340.00	
FE	1	417.00	
HG	1	0.05	
MG	1	67.40	
MN	1	764.00	
MO	1	13.00	
NI	1	24.00	
P	1	1120.00	
PB	1	65.00	
S	1	1010.00	
SE	1	13.00	
SN	1	11.00	
SR	1	28.00	
TI	0		
V	0		
ZN	1	81.00	
OC	1	43.00	
INC	1	1.10	
TC	1	44.00	
KJN	1	2.20	
VOL	1	10.80	

Cry Lake
Northern Omineca Belt
Mapsheet: 104 I11

Variable	N	Mean	Std Dev
AL	1	20.00	
AS	1	11.00	
B	0		
BA	1	297.00	
BE	0		
CA	1	6.85	
CD	1	1.00	
CO	1	29.00	
CR	1	710.00	
CU	1	250.00	
FE	1	848.00	
HG	1	0.05	
MG	1	80.30	
MN	1	12500.00	
MO	1	58.00	
NI	1	45.00	
P	1	3550.00	
PB	1	46.00	
S	1	753.00	
SE	1	29.00	
SN	1	17.00	
SR	1	58.00	
TI	0		
V	0		
ZN	1	104.00	
OC	1	22.00	
INC	1	7.00	
TC	1	29.00	
KJN	1	1.90	
VOL	1	11.00	

Dall Lake
Northern Omineca Belt
Mapsheet: 94 L12

Variable	N	Mean	Std Dev
AL	1	14.70	
AS	1	30.00	
B	1	1.00	
BA	1	98.00	
BE	1	1.00	
CA	1	10.60	
CD	1	1.00	
CO	1	25.00	
CR	1	310.00	
CU	1	280.00	
FE	1	466.00	
HG	1	0.15	
MG	1	74.30	
MN	1	2550.00	
MO	1	14.00	
NI	1	40.00	
P	1	767.00	
PB	1	57.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	39.00	
TI	1	12.00	
V	1	19.00	
ZN	1	87.00	
OC	1	16.00	
INC	1	6.40	
TC	1	22.00	
KJN	1	1.60	
VOL	1	6.40	

Deadwood Lake
Northern Omineca Belt
Mapsheet: 104 P01

Variable	N	Mean	Std Dev
AL	1	3.67	
AS	1	15.00	
B	0		
BA	1	163.00	
BE	0		
CA	1	189.00	
CD	1	1.00	
CO	1	12.00	
CR	1	100.00	
CU	1	130.00	
FE	1	175.00	
HG	1	0.05	
MG	1	49.00	
MN	1	405.00	
MO	1	3.00	
NI	1	21.00	
P	1	678.00	
PB	1	25.00	
S	1	1970.00	
SE	1	26.00	
SN	1	14.00	
SR	1	236.00	
TI	0		
V	0		
ZN	1	28.00	
OC	1	15.00	
INC	1	54.90	
TC	1	69.00	
KJN	1	2.10	
VOL	1	5.80	

Denetiah Lake
Northern Omineca Belt
Mapsheet: 94 L06

Variable	N	Mean	Std Dev
AL	1	15.60	
AS	1	25.00	
B	1	1.00	
BA	1	49.00	
BE	1	1.00	
CA	1	2.90	
CD	1	1.00	
CO	1	26.00	
CR	1	300.00	
CU	1	350.00	
FE	1	494.00	
HG	1	0.07	
MG	1	73.90	
MN	1	1800.00	
MO	1	11.00	
NI	1	47.00	
P	1	589.00	
PB	1	45.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	41.00	
TI	1	2.00	
V	1	12.00	
ZN	1	81.00	
OC	1	6.00	
INC	1	4.80	
TC	1	11.00	
KJN	1	1.00	
VOL	1	4.70	

Horseranch Lake
Northern Omineca Belt
Mapsheet: 104 P10

Variable	N	Mean	Std Dev
AL	1	9.54	
AS	1	21.00	
B	1	7.00	
BA	1	275.00	
BE	1	1.00	
CA	1	299.00	
CD	1	1.00	
CO	1	10.00	
CR	1	10.00	
CU	1	60.00	
FE	1	38.00	
HG	1	0.07	
MG	1	77.80	
MN	1	356.00	
MO	1	1.00	
NI	1	5.00	
P	1	351.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	521.00	
TI	1	45.00	
V	1	3.00	
ZN	1	16.00	
OC	1	41.00	
INC	1	93.00	
TC	1	134.00	
KJN	1	4.40	
VOL	1	12.00	

Jennings Lake
Northern Omineca Belt
Mapsheet: 104 O10

Variable	N	Mean	Std Dev
AL	2	14.55	2.33
AS	2	23.50	0.71
B	2	7.50	9.19
BA	2	121.50	20.51
BE	2	1.00	0.00
CA	2	3.54	0.09
CD	2	1.00	0.00
CO	2	10.00	0.00
CR	2	530.00	70.71
CU	2	335.00	205.06
FE	2	214.00	127.28
HG	2	0.08	0.03
MG	2	23.65	2.76
MN	2	257.50	28.99
MO	2	15.50	7.78
NI	2	17.50	0.71
P	2	3080.00	890.95
PB	2	33.00	32.53
S	0		
SE	2	10.00	0.00
SN	2	14.00	11.31
SR	2	27.00	4.24
TI	2	428.50	106.77
V	2	77.00	32.53
ZN	2	58.50	2.12
OC	2	61.00	35.36
INC	2	5.30	0.85
TC	2	66.50	36.06
KJN	2	5.65	1.77
VOL	2	21.90	6.65

Johiah Lake
Northern Omineca Belt
Mapsheet: 94 L02

Variable	N	Mean	Std Dev
AL	1	23.80	
AS	1	25.00	
B	1	1.00	
BA	1	137.00	
BE	1	1.00	
CA	1	2.80	
CD	1	1.00	
CO	1	13.00	
CR	1	130.00	
CU	1	100.00	
FE	1	496.00	
HG	1	0.34	
MG	1	70.40	
MN	1	11.00	
MO	1	20.00	
NI	1	13.00	
P	1	676.00	
PB	1	38.00	
S	0		
SE	1	12.00	
SN	1	12.00	
SR	1	36.00	
TI	1	503.00	
V	1	24.00	
ZN	1	128.00	
OC	1	13.00	
INC	1	3.10	
TC	1	16.00	
KJN	1	0.90	
VOL	1	7.60	

Klinkit Lake
Northern Omineca Belt
Mapsheet: 104 O11

Variable	N	Mean	Std Dev
AL	1	14.60	
AS	1	22.00	
B	1	15.00	
BA	1	180.00	
BE	1	1.00	
CA	1	6.40	
CD	1	1.00	
CO	1	15.00	
CR	1	0.00	
CU	1	320.00	
FE	1	196.00	
HG	1	0.05	
MG	1	42.70	
MN	1	302.00	
MO	1	20.00	
NI	1	39.00	
P	1	817.00	
PB	1	21.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	34.00	
TI	1	493.00	
V	1	203.00	
ZN	1	77.00	
OC	1	80.00	
INC	1	3.80	
TC	1	84.00	
KJN	1	12.30	
VOL	1	26.40	

Looncry Lake
Northern Omineca Belt
Mapsheet: 104 P02

Variable	N	Mean	Std Dev
AL	1	14.90	
AS	1	36.00	
B	1	49.00	
BA	1	230.00	
BE	1	1.00	
CA	1	6.30	
CD	1	1.00	
CO	1	17.00	
CR	1	580.00	
CU	1	360.00	
FE	1	435.00	
HG	1	0.05	
MG	1	87.40	
MN	1	5650.00	
MO	1	28.00	
NI	1	50.00	
P	1	865.00	
PB	1	52.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	36.00	
TI	1	137.00	
V	1	21.00	
ZN	1	82.00	
OC	1	13.00	
INC	1	4.40	
TC	1	17.00	
KJN	1	2.80	
VOL	1	5.80	

Meek Lake
Northern Omineca Belt
Mapsheet: 104 I14

Variable	N	Mean	Std Dev
AL	1	32.30	
AS	1	23.00	
B	1	30.00	
BA	1	139.00	
BE	1	3.00	
CA	1	2.60	
CD	1	1.00	
CO	1	23.00	
CR	1	610.00	
CU	1	320.00	
FE	1	424.00	
HG	1	0.11	
MG	1	48.40	
MN	1	2500.00	
MO	1	47.00	
NI	1	24.00	
P	1	2230.00	
PB	1	47.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	20.00	
TI	1	682.00	
V	1	45.00	
ZN	1	153.00	
OC	1	30.00	
INC	1	5.90	
TC	1	36.00	
KJN	1	3.30	
VOL	1	16.10	

Nome Lake
Northern Omineca Belt
Mapsheet: 104 O10

Variable	N	Mean	Std Dev
AL	1	24.30	
AS	1	23.00	
B	1	23.00	
BA	1	142.00	
BE	1	1.00	
CA	1	3.80	
CD	1	1.00	
CO	1	14.00	
CR	1	390.00	
CU	1	250.00	
FE	1	251.00	
HG	1	0.14	
MG	1	42.40	
MN	1	1150.00	
MO	1	35.00	
NI	1	5.00	
P	1	3440.00	
PB	1	22.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	40.00	
TI	1	763.00	
V	1	49.00	
ZN	1	72.00	
OC	1	22.00	
INC	1	7.10	
TC	1	29.00	
KJN	1	2.60	
VOL	1	13.90	

Poorman Lake
Northern Omineca Belt
Mapsheet: 104 P06

Variable	N	Mean	Std Dev
AL	1	11.00	
AS	1	41.00	
B	1	19.00	
BA	1	99.00	
BE	1	1.00	
CA	1	57.20	
CD	1	1.00	
CO	1	10.00	
CR	1	0.00	
CU	1	200.00	
FE	1	293.00	
HG	1	0.29	
MG	1	82.40	
MN	1	382.00	
MO	1	13.00	
NI	1	5.00	
P	1	458.00	
PB	1	25.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	250.00	
TI	1	7.00	
V	1	10.00	
ZN	1	65.00	
OC	1	22.00	
INC	1	22.00	
TC	1	44.00	
KJN	1	2.10	
VOL	1	8.50	

Ridgeway Lake
Northern Omineca Belt
Mapsheet: 94 E16

Variable	N	Mean	Std Dev
AL	1	17.40	
AS	1	25.00	
B	1	1.00	
BA	1	58.00	
BE	1	1.00	
CA	1	22.20	
CD	1	1.00	
CO	1	18.00	
CR	1	320.00	
CU	1	350.00	
FE	1	501.00	
HG	1	0.10	
MG	1	101.00	
MN	1	432.00	
MO	1	6.00	
NI	1	45.00	
P	1	816.00	
PB	1	35.00	
S	0		
SE	1	10.00	
SN	1	12.00	
SR	1	46.00	
TI	1	1.00	
V	1	15.00	
ZN	1	96.00	
OC	1	38.00	
INC	1	1.50	
TC	1	40.00	
KJN	1	3.60	
VOL	1	10.80	

Spinel Lake
Northern Omineca Belt
Mapsheet: 94 E16

Variable	N	Mean	Std Dev
AL	1	29.50	
AS	1	26.00	
B	1	1.00	
BA	1	213.00	
BE	1	1.00	
CA	1	6.90	
CD	1	1.00	
CO	1	37.00	
CR	1	670.00	
CU	1	570.00	
FE	1	642.00	
HG	1	0.08	
MG	1	116.00	
MN	1	1170.00	
MO	1	23.00	
NI	1	67.00	
P	1	865.00	
PB	1	52.00	
S	0		
SE	1	17.00	
SN	1	13.00	
SR	1	86.00	
TI	1	442.00	
V	1	44.00	
ZN	1	124.00	
OC	1	10.00	
INC	1	4.70	
TC	1	15.00	
KJN	1	0.80	
VOL	1	8.40	

Swift Lake
Northern Omineca Belt
Mapsheet: 104 O13

Variable	N	Mean	Std Dev
AL	1	13.30	
AS	1	30.00	
B	1	1.00	
BA	1	212.00	
BE	1	1.00	
CA	1	4.90	
CD	1	1.00	
CO	1	40.00	
CR	1	470.00	
CU	1	380.00	
FE	1	316.00	
HG	1	0.16	
MG	1	69.60	
MN	1	854.00	
MO	1	10.00	
NI	1	44.00	
P	1	1040.00	
PB	1	42.00	
S	0		
SE	1	18.00	
SN	1	11.00	
SR	1	28.00	
TI	1	449.00	
V	1	42.00	
ZN	1	95.00	
OC	1	34.00	
INC	1	4.70	
TC	1	39.00	
KJN	1	2.60	
VOL	1	10.80	

Toodoggone Lake
Northern Omineca Belt
Mapsheet: 94 E07

Variable	N	Mean	Std Dev
AL	1	20.30	
AS	1	25.00	
B	0		
BA	1	372.00	
BE	0		
CA	1	6.63	
CD	1	1.00	
CO	1	10.00	
CR	1	210.00	
CU	1	330.00	
FE	1	291.00	
HG	1	0.07	
MG	1	59.30	
MN	1	723.00	
MO	1	1.00	
NI	1	22.00	
P	1	940.00	
PB	1	20.00	
S	1	1230.00	
SE	1	10.00	
SN	0		
SR	1	79.00	
TI	0		
V	1	22.00	
ZN	1	174.00	
OC	1	24.00	
INC	1	7.70	
TC	1	32.00	
KJN	1	2.20	
VOL	1	11.40	

Tootsie Lake
Northern Omineca Belt
Mapsheet: 104 O15

Variable	N	Mean	Std Dev
AL	1	17.50	
AS	1	85.00	
B	1	310.00	
BA	1	1860.00	
BE	1	3.00	
CA	1	4.90	
CD	1	7.00	
CO	1	22.00	
CR	1	1440.00	
CU	1	220.00	
FE	1	3.00	
HG	1	0.11	
MG	1	41.70	
MN	1	84.00	
MO	1	183.00	
NI	1	20.00	
P	1	1900.00	
PB	1	100.00	
S	0		
SE	1	85.00	
SN	1	11.00	
SR	1	65.00	
TI	1	65.00	
V	1	46.00	
ZN	1	273.00	
OC	1	26.00	
INC	1	2.90	
TC	1	29.00	
KJN	1	1.80	
VOL	1	14.60	

Tucho Lake
Northern Omineca Belt
Mapsheet: 94 L05

Variable	N	Mean	Std Dev
AL	1	18.80	
AS	1	16.00	
B	0		
BA	1	195.00	
BE	0		
CA	1	3.23	
CD	1	2.00	
CO	1	22.00	
CR	1	860.00	
CU	1	630.00	
FE	1	909.00	
HG	1	0.12	
MG	1	47.70	
MN	1	3610.00	
MO	1	19.00	
NI	1	25.00	
P	1	2410.00	
PB	1	20.00	
S	1	687.00	
SE	1	23.00	
SN	1	12.00	
SR	1	54.00	
TI	0		
V	0		
ZN	1	90.00	
OC	1	32.00	
INC	1	1.10	
TC	1	33.00	
KJN	1	2.90	
VOL	1	13.60	

Tuya Lake
Northern Omineca Belt
Mapsheet: 104 O02

Variable	N	Mean	Std Dev
AL	1	13.00	
AS	1	25.00	
B	0		
BA	1	211.00	
BE	0		
CA	1	4.60	
CD	1	1.00	
CO	1	25.00	
CR	1	620.00	
CU	1	320.00	
FE	1	302.00	
HG	1	0.07	
MG	1	73.20	
MN	1	364.00	
MO	1	11.00	
NI	1	47.00	
P	1	1130.00	
PB	1	20.00	
S	1	749.00	
SE	1	11.00	
SN	1	6.00	
SR	1	29.00	
TI	0		
V	0		
ZN	1	66.00	
OC	1	31.00	
INC	1	4.40	
TC	1	36.00	
KJN	1	3.40	
VOL	1	10.60	

Tutizzi Lake
Northern Omineca Belt
Mapsheet: 94 C05

Variable	N	Mean	Std Dev
AL	1	29.10	
AS	1	25.00	
B	1	1.00	
BA	1	343.00	
BE	1	1.00	
CA	1	5.10	
CD	1	1.00	
CO	1	31.00	
CR	1	930.00	
CU	1	1280.00	
FE	1	482.00	
HG	1	0.56	
MG	1	173.00	
MN	1	2990.00	
MO	1	14.00	
NI	1	59.00	
P	1	1090.00	
PB	1	37.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	72.00	
TI	1	498.00	
V	1	84.00	
ZN	1	102.00	
OC	1	14.00	
INC	1	0.30	
TC	1	14.00	
KJN	1	1.60	
VOL	1	8.50	

Vincent Lake
Northern Omineca Belt
Mapsheet: 104 P10

Variable	N	Mean	Std Dev
AL	1	5.92	
AS	1	22.00	
B	1	13.00	
BA	1	78.00	
BE	1	1.00	
CA	1	24.40	
CD	1	1.00	
CO	1	10.00	
CR	1	390.00	
CU	1	110.00	
FE	1	133.00	
HG	1	0.05	
MG	1	88.10	
MN	1	187.00	
MO	1	9.00	
NI	1	30.00	
P	1	669.00	
PB	1	18.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	68.00	
TI	1	296.00	
V	1	20.00	
ZN	1	32.00	
OC	1	13.00	
INC	1	12.00	
TC	1	25.00	
KJN	1	1.30	
VOL	1	4.40	

Abruzzi Lake
Southern Rocky Mountains
Mapsheet: 82 J06

Variable	N	Mean	Std Dev
AL	1	7.68	
AS	1	25.00	
B	0		
BA	1	19.00	
BE	0		
CA	1	8.12	
CD	1	3.00	
CO	1	10.00	
CR	1	340.00	
CU	1	100.00	
FE	1	69.00	
HG	1	0.07	
MG	1	73.10	
MN	1	25.00	
MO	1	2.00	
NI	1	26.00	
P	1	920.00	
PB	1	20.00	
S	1	10500.00	
SE	1	10.00	
SN	0		
SR	1	21.00	
TI	0		
V	1	13.00	
ZN	1	213.00	
OC	1	195.00	
INC	1	7.60	
TC	1	203.00	
KJN	1	19.90	
VOL	1	44.50	

Aid Lake
Southern Rocky Mountains
Mapsheet: 82 N11

Variable	N	Mean	Std Dev
AL	1	10.70	
AS	1	20.00	
B	1	10.00	
BA	1	44.00	
BE	1	1.00	
CA	1	26.40	
CD	1	1.00	
CO	1	10.00	
CR	1	380.00	
CU	1	250.00	
FE	1	225.00	
HG	1	0.12	
MG	1	91.70	
MN	1	84.00	
MO	1	14.00	
NI	1	20.00	
P	1	646.00	
PB	1	39.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	76.00	
TI	1	11.00	
V	1	8.00	
ZN	1	62.00	
OC	1	98.00	
INC	1	16.00	
TC	1	114.00	
KJN	1	9.20	
VOL	1	26.50	

Alces Lake
Southern Rocky Mountains
Mapsheet: 82 J04

Variable	N	Mean	Std Dev
AL	2	4.97	0.32
AS	2	14.00	15.56
B	1	1.00	
BA	2	80.50	41.72
BE	1	1.00	
CA	2	155.00	38.18
CD	2	1.00	0.00
CO	2	10.00	0.00
CR	2	90.00	14.14
CU	2	100.00	28.28
FE	2	61.50	2.12
HG	2	0.05	0.00
MG	2	229.50	33.23
MN	2	131.00	38.18
MO	2	5.50	0.71
NI	2	9.00	0.00
P	2	1055.00	360.62
PB	2	63.50	34.65
S	1	6660.00	
SE	2	15.50	4.95
SN	2	21.00	7.07
SR	2	219.50	94.05
TI	1	22.00	
V	1	8.00	
ZN	2	32.00	5.66
OC	2	126.00	0.00
INC	2	50.50	14.85
TC	2	151.00	21.21
KJN	2	12.65	5.73
VOL	2	23.70	9.19

Blackwater Lake
Southern Rocky Mountains
Mapsheet: 82 N11

Variable	N	Mean	Std Dev
AL	1	11.10	
AS	1	23.00	
B	1	14.00	
BA	1	70.00	
BE	1	1.00	
CA	1	78.00	
CD	1	1.00	
CO	1	10.00	
CR	1	390.00	
CU	1	180.00	
FE	1	345.00	
HG	1	0.08	
MG	1	68.20	
MN	1	212.00	
MO	1	11.00	
NI	1	21.00	
P	1	767.00	
PB	1	31.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	160.00	
TI	1	6.00	
V	1	9.00	
ZN	1	60.00	
OC	1	46.00	
INC	1	41.00	
TC	1	87.00	
KJN	1	6.10	
VOL	1	15.30	

Cadrona Lake
Southern Rocky Mountains
Mapsheet: 82 J06

Variable	N	Mean	Std Dev
AL	1	2.05	
AS	1	25.00	
B	0		
BA	1	14.00	
BE	0		
CA	1	212.00	
CD	1	1.00	
CO	1	10.00	
CR	1	90.00	
CU	1	50.00	
FE	1	57.00	
HG	1	0.06	
MG	1	278.00	
MN	1	111.00	
MO	1	1.00	
NI	1	15.00	
P	1	560.00	
PB	1	10.00	
S	1	726.00	
SE	1	10.00	
SN	0		
SR	1	120.00	
TI	0		
V	1	10.00	
ZN	1	92.00	
OC	1	14.00	
INC	1	62.70	
TC	1	76.00	
KJN	1	0.50	
VOL	1	3.30	

Cerulean Lake
Southern Rocky Mountains
Mapsheet: 82 J13

Variable	N	Mean	Std Dev
AL	1	10.50	
AS	1	3.00	
B	0		
BA	1	97.00	
BE	0		
CA	1	5.25	
CD	1	1.00	
CO	1	29.00	
CR	1	600.00	
CU	1	200.00	
FE	1	634.00	
HG	1	0.05	
MG	1	41.00	
MN	1	343.00	
MO	1	10.00	
NI	1	19.00	
P	1	811.00	
PB	1	32.00	
S	1	2460.00	
SE	1	19.00	
SN	1	5.00	
SR	1	18.00	
TI	0		
V	0		
ZN	1	99.00	
OC	1	75.00	
INC	1	1.60	
TC	1	76.00	
KJN	1	6.80	
VOL	1	18.60	

Comfort Lake
Southern Rocky Mountains
Mapsheet: 82 N11

Variable	N	Mean	Std Dev
AL	1	13.00	
AS	1	24.00	
B	1	18.00	
BA	1	53.00	
BE	1	1.00	
CA	1	37.30	
CD	1	1.00	
CO	1	10.00	
CR	1	460.00	
CU	1	250.00	
FE	1	392.00	
HG	1	0.09	
MG	1	154.00	
MN	1	311.00	
MO	1	17.00	
NI	1	25.00	
P	1	688.00	
PB	1	33.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	92.00	
TI	1	9.00	
V	1	11.00	
ZN	1	68.00	
OC	1	45.00	
INC	1	18.00	
TC	1	63.00	
KJN	1	5.90	
VOL	1	14.90	

Elizabeth Lake
Southern Rocky Mountains
Mapsheet: 82 J13

Variable	N	Mean	Std Dev
AL	1	14.80	
AS	1	4.00	
B	0		
BA	1	74.00	
BE	0		
CA	1	14.20	
CD	1	1.00	
CO	1	10.00	
CR	1	220.00	
CU	1	240.00	
FE	1	190.00	
HG	1	0.05	
MG	1	143.00	
MN	1	163.00	
MO	1	3.00	
NI	1	19.00	
P	1	1410.00	
PB	1	18.00	
S	1	3480.00	
SE	1	14.00	
SN	1	5.00	
SR	1	21.00	
TI	0		
V	0		
ZN	1	148.00	
OC	1	147.00	
INC	1	6.50	
TC	1	153.00	
KJN	1	10.90	
VOL	1	32.30	

Emerald Lake
Southern Rocky Mountains
Mapsheet: 82 N07

Variable	N	Mean	Std Dev
AL	1	8.04	
AS	1	25.00	
B	1	1.00	
BA	1	32.00	
BE	1	1.00	
CA	1	126.00	
CD	1	1.00	
CO	1	10.00	
CR	1	200.00	
CU	1	170.00	
FE	1	243.00	
HG	1	0.08	
MG	1	281.00	
MN	1	418.00	
MO	1	6.00	
NI	1	24.00	
P	1	445.00	
PB	1	26.00	
S	0		
SE	1	10.00	
SN	1	11.00	
SR	1	154.00	
TI	1	1.00	
V	1	8.00	
ZN	1	40.00	
OC	1	11.00	
INC	1	50.30	
TC	1	61.00	
KJN	1	0.90	
VOL	1	4.50	

Fortress Lake
Southern Rocky Mountains
Mapsheet: 83 C05

Variable	N	Mean	Std Dev
AL	2	5.43	0.45
AS	2	13.50	14.85
B	1	1.00	
BA	2	52.00	8.49
BE	1	1.00	
CA	2	210.00	8.49
CD	2	1.00	0.00
CO	2	11.00	1.41
CR	2	95.00	7.07
CU	2	90.00	14.14
FE	2	109.50	4.95
HG	2	0.06	0.01
MG	2	346.00	32.53
MN	2	291.50	44.85
MO	2	3.00	0.00
NI	2	12.50	0.71
P	2	391.50	4.95
PB	2	25.50	0.71
S	1	469.00	
SE	2	19.00	11.31
SN	2	17.50	3.54
SR	2	248.50	20.51
TI	1	1.00	
V	1	6.00	
ZN	2	24.00	0.00
OC	2	6.00	2.83
INC	2	71.35	7.14
TC	2	77.50	4.95
KJN	2	0.30	0.00
VOL	2	2.80	0.42

Gog Lake
Southern Rocky Mountains
Mapsheet: 82 J13

Variable	N	Mean	Std Dev
AL	1	9.69	
AS	1	19.00	
B	0		
BA	1	189.00	
BE	0		
CA	1	5.99	
CD	1	3.00	
CO	1	36.00	
CR	1	500.00	
CU	1	390.00	
FE	1	436.00	
HG	1	0.11	
MG	1	51.10	
MN	1	6950.00	
MO	1	33.00	
NI	1	105.00	
P	1	1110.00	
PB	1	43.00	
S	1	2250.00	
SE	1	19.00	
SN	1	5.00	
SR	1	17.00	
TI	0		
V	0		
ZN	1	340.00	
OC	1	29.00	
INC	1	7.20	
TC	1	36.00	
KJN	1	2.60	
VOL	1	9.80	

Grave Lake
Southern Rocky Mountains
Mapsheet: 82 G15

Variable	N	Mean	Std Dev
AL	1	3.52	
AS	1	3.00	
B	0		
BA	1	100.00	
BE	0		
CA	1	157.00	
CD	1	1.00	
CO	1	10.00	
CR	1	130.00	
CU	1	120.00	
FE	1	81.00	
HG	1	0.05	
MG	1	102.00	
MN	1	216.00	
MO	1	14.00	
NI	1	24.00	
P	1	1260.00	
PB	1	16.00	
S	1	9280.00	
SE	1	30.00	
SN	1	11.00	
SR	1	114.00	
TI	0		
V	0		
ZN	1	100.00	
OC	1	185.00	
INC	1	33.60	
TC	1	219.00	
KJN	1	10.40	
VOL	1	36.50	

Help Lake
Southern Rocky Mountains
Mapsheet: 82 N11

Variable	N	Mean	Std Dev
AL	1	9.48	
AS	1	21.00	
B	1	12.00	
BA	1	56.00	
BE	1	1.00	
CA	1	133.00	
CD	1	1.00	
CO	1	10.00	
CR	1	320.00	
CU	1	180.00	
FE	1	243.00	
HG	1	0.18	
MG	1	70.50	
MN	1	93.00	
MO	1	4.00	
NI	1	12.00	
P	1	285.00	
PB	1	12.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	229.00	
TI	1	14.00	
V	1	5.00	
ZN	1	34.00	
OC	1	128.00	
INC	1	0.50	
TC	1	128.00	
KJN	1	9.80	
VOL	1	21.30	

Linda Lake
Southern Rocky Mountains
Mapsheet: 82 N08

Variable	N	Mean	Std Dev
AL	1	15.30	
AS	1	31.00	
B	1	1.00	
BA	1	32.00	
BE	1	1.00	
CA	1	10.70	
CD	1	1.00	
CO	1	10.00	
CR	1	230.00	
CU	1	150.00	
FE	1	149.00	
HG	1	0.15	
MG	1	52.20	
MN	1	166.00	
MO	1	8.00	
NI	1	16.00	
P	1	1090.00	
PB	1	55.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	37.00	
TI	1	222.00	
V	1	9.00	
ZN	1	56.00	
OC	1	2.00	
INC	1	117.00	
TC	1	119.00	
KJN	1	8.70	
VOL	1	28.20	

Larix Lake
Southern Rocky Mountains
Mapsheet: 82 J13

Variable	N	Mean	Std Dev
AL	1	13.00	
AS	1	2.00	
B	0		
BA	1	108.00	
BE	0		
CA	1	12.20	
CD	1	1.00	
CO	1	23.00	
CR	1	570.00	
CU	1	240.00	
FE	1	589.00	
HG	1	0.07	
MG	1	85.90	
MN	1	2350.00	
MO	1	20.00	
NI	1	19.00	
P	1	2360.00	
PB	1	29.00	
S	1	2890.00	
SE	1	22.00	
SN	1	23.00	
SR	1	14.00	
TI	0		
V	0		
ZN	1	80.00	
OC	1	113.00	
INC	1	2.40	
TC	1	115.00	
KJN	1	9.00	
VOL	1	27.20	

Magog Lake
Southern Rocky Mountains
Mapsheet: 82 J13

Variable	N	Mean	Std Dev
AL	1	13.60	
AS	1	12.00	
B	0		
BA	1	152.00	
BE	0		
CA	1	3.21	
CD	1	1.00	
CO	1	31.00	
CR	1	520.00	
CU	1	360.00	
FE	1	409.00	
HG	1	0.11	
MG	1	77.30	
MN	1	3700.00	
MO	1	27.00	
NI	1	79.00	
P	1	944.00	
PB	1	54.00	
S	1	1020.00	
SE	1	19.00	
SN	1	7.00	
SR	1	16.00	
TI	0		
V	0		
ZN	1	257.00	
OC	1	18.00	
INC	1	5.70	
TC	1	24.00	
KJN	1	21.20	
VOL	1	7.90	

Mary Lake
Southern Rocky Mountains
Mapsheet: 82 N08

Variable	N	Mean	Std Dev
AL	1	5.67	
AS	1	25.00	
B	1	1.00	
BA	1	74.00	
BE	1	1.00	
CA	1	7.20	
CD	1	1.00	
CO	1	10.00	
CR	1	90.00	
CU	1	120.00	
FE	1	105.00	
HG	1	0.14	
MG	1	29.10	
MN	1	76.00	
MO	1	4.00	
NI	1	11.00	
P	1	668.00	
PB	1	42.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	38.00	
TI	1	91.00	
V	1	7.00	
ZN	1	40.00	
OC	1	153.00	
INC	1	0.50	
TC	1	153.00	
KJN	1	11.00	
VOL	1	32.10	

O'Hara Lake
Southern Rocky Mountains
Mapsheet: 82 N08

Variable	N	Mean	Std Dev
AL	1	20.10	
AS	1	25.00	
B	1	1.00	
BA	1	288.00	
BE	1	1.00	
CA	1	4.50	
CD	1	1.00	
CO	1	10.00	
CR	1	50.00	
CU	1	130.00	
FE	1	139.00	
HG	1	0.05	
MG	1	120.00	
MN	1	144.00	
MO	1	11.00	
NI	1	27.00	
P	1	786.00	
PB	1	45.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	15.00	
TI	1	3.00	
V	1	18.00	
ZN	1	53.00	
OC	1	69.00	
INC	1	0.50	
TC	1	69.00	
KJN	1	2.30	
VOL	1	18.90	

Og Lake
Southern Rocky Mountains
Mapsheet: 82 J13

Variable	N	Mean	Std Dev
AL	1	11.10	
AS	1	12.00	
B	0		
BA	1	170.00	
BE	0		
CA	1	9.40	
CD	1	3.00	
CO	1	10.00	
CR	1	210.00	
CU	1	300.00	
FE	1	286.00	
HG	1	0.15	
MG	1	78.80	
MN	1	474.00	
MO	1	5.00	
NI	1	103.00	
P	1	1290.00	
PB	1	30.00	
S	1	1480.00	
SE	1	10.00	
SN	1	5.00	
SR	1	13.00	
TI	0		
V	0		
ZN	1	378.00	
OC	1	27.00	
INC	1	1.30	
TC	1	28.00	
KJN	1	2.90	
VOL	1	9.20	

Rock Island Lake
Southern Rocky Mountains
Mapsheet: 82 O04

Variable	N	Mean	Std Dev
AL	1	13.70	
AS	1	2.00	
B	0		
BA	1	71.00	
BE	0		
CA	1	8.40	
CD	1	1.00	
CO	1	10.00	
CR	1	210.00	
CU	1	180.00	
FE	1	167.00	
HG	1	0.07	
MG	1	91.30	
MN	1	172.00	
MO	1	6.00	
NI	1	21.00	
P	1	1580.00	
PB	1	83.00	
S	1	2800.00	
SE	1	11.00	
SN	1	17.00	
SR	1	11.00	
TI	0		
V	0		
ZN	1	80.00	
OC	1	124.00	
INC	1	0.80	
TC	1	125.00	
KJN	1	9.50	
VOL	1	27.90	

Rykerts Lake
Southern Rocky Mountains
Mapsheet: 82 F01

Variable	N	Mean	Std Dev
AL	1	20.50	
AS	1	25.00	
B	0		
BA	1	179.00	
BE	0		
CA	1	12.10	
CD	1	1.00	
CO	1	10.00	
CR	1	450.00	
CU	1	330.00	
FE	1	328.00	
HG	1	0.05	
MG	1	120.00	
MN	1	443.00	
MO	1	2.00	
NI	1	38.00	
P	1	630.00	
PB	1	29.00	
S	1	2750.00	
SE	1	10.00	
SN	0		
SR	1	37.00	
TI	0		
V	1	24.00	
ZN	1	127.00	
OC	1	33.00	
INC	1	6.90	
TC	1	40.00	
KJN	1	3.30	
VOL	1	10.70	

Summit Lake
Southern Rocky Mountains
Mapsheet: 82 G10

Variable	N	Mean	Std Dev
AL	1	8.85	
AS	1	3.00	
B	0		
BA	1	290.00	
BE	0		
CA	1	97.00	
CD	1	1.00	
CO	1	10.00	
CR	1	160.00	
CU	1	210.00	
FE	1	269.00	
HG	1	0.07	
MG	1	53.80	
MN	1	425.00	
MO	1	5.00	
NI	1	22.00	
P	1	934.00	
PB	1	25.00	
S	1	6850.00	
SE	1	13.00	
SN	1	12.00	
SR	1	156.00	
TI	0		
V	0		
ZN	1	109.00	
OC	1	79.00	
INC	1	1.00	
TC	1	80.00	
KJN	1	6.40	
VOL	1	15.80	

Sunburst Lake
Southern Rocky Mountains
Mapsheet: 82 J13

Variable	N	Mean	Std Dev
AL	1	9.51	
AS	1	7.00	
B	0		
BA	1	88.00	
BE	0		
CA	1	4.93	
CD	1	1.00	
CO	1	10.00	
CR	1	180.00	
CU	1	230.00	
FE	1	277.00	
HG	1	0.10	
MG	1	41.00	
MN	1	187.00	
MO	1	5.00	
NI	1	21.00	
P	1	1130.00	
PB	1	71.00	
S	1	7600.00	
SE	1	13.00	
SN	1	9.00	
SR	1	13.00	
TI	0		
V	0		
ZN	1	301.00	
OC	1	158.00	
INC	1	0.80	
TC	1	159.00	
KJN	1	14.10	
VOL	1	37.70	

Wapta Lake
Southern Rocky Mountains
Mapsheet: 82 N08

Variable	N	Mean	Std Dev
AL	1	5.96	
AS	1	25.00	
B	1	1.00	
BA	1	36.00	
BE	1	1.00	
CA	1	175.00	
CD	1	1.00	
CO	1	12.00	
CR	1	100.00	
CU	1	110.00	
FE	1	137.00	
HG	1	0.09	
MG	1	407.00	
MN	1	317.00	
MO	1	1.00	
NI	1	14.00	
P	1	300.00	
PB	1	53.00	
S	0		
SE	1	18.00	
SN	1	15.00	
SR	1	133.00	
TI	1	9.00	
V	1	8.00	
ZN	1	36.00	
OC	1	37.00	
INC	1	76.70	
TC	1	114.00	
KJN	1	1.60	
VOL	1	8.60	

Wedgewood Lake
Southern Rocky Mountains
Mapsheet: 82 J13

Variable	N	Mean	Std Dev
AL	1	15.50	
AS	1	2.00	
B	0		
BA	1	87.00	
BE	0		
CA	1	39.80	
CD	1	1.00	
CO	1	21.00	
CR	1	350.00	
CU	1	180.00	
FE	1	406.00	
HG	1	0.05	
MG	1	158.00	
MN	1	1730.00	
MO	1	11.00	
NI	1	35.00	
P	1	524.00	
PB	1	34.00	
S	1	2700.00	
SE	1	19.00	
SN	1	8.00	
SR	1	63.00	
TI	0		
V	0		
ZN	1	76.00	
OC	1	32.00	
INC	1	0.50	
TC	1	32.00	
KJN	1	2.20	
VOL	1	7.80	

Whiteswan Lake
Southern Rocky Mountains
Mapsheet: 82 J03

Variable	N	Mean	Std Dev
AL	1	6.32	
AS	1	25.00	
B	1	1.00	
BA	1	220.00	
BE	1	1.00	
CA	1	186.00	
CD	1	1.00	
CO	1	10.00	
CR	1	140.00	
CU	1	110.00	
FE	1	127.00	
HG	1	0.14	
MG	1	133.00	
MN	1	419.00	
MO	1	6.00	
NI	1	15.00	
P	1	595.00	
PB	1	44.00	
S	0		
SE	1	11.00	
SN	1	12.00	
SR	1	138.00	
TI	1	4.00	
V	1	7.00	
ZN	1	34.00	
OC	1	52.00	
INC	1	54.00	
TC	1	106.00	
KJN	1	5.10	
VOL	1	12.40	

Fern Lake
Northern Rocky Mountains
Mapsheet: 94 F10

Variable	N	Mean	Std Dev
AL	1	12.60	
AS	1	9.00	
B	0		
BA	1	256.00	
BE	0		
CA	1	19.20	
CD	1	1.00	
CO	1	20.00	
CR	1	320.00	
CU	1	360.00	
FE	1	473.00	
HG	1	0.12	
MG	1	83.70	
MN	1	1370.00	
MO	1	6.00	
NI	1	36.00	
P	1	1270.00	
PB	1	64.00	
S	1	2730.00	
SE	1	20.00	
SN	1	6.00	
SR	1	56.00	
TI	0		
V	0		
ZN	1	222.00	
OC	1	19.00	
INC	1	3.80	
TC	1	23.00	
KJN	1	1.70	
VOL	1	7.60	

Fishing Lake
Northern Rocky Mountains
Mapsheet: 94 M07

Variable	N	Mean	Std Dev
AL	1	13.90	
AS	1	25.00	
B	1	1.00	
BA	1	34.00	
BE	1	1.00	
CA	1	92.90	
CD	1	1.00	
CO	1	10.00	
CR	1	240.00	
CU	1	150.00	
FE	1	216.00	
HG	1	0.07	
MG	1	171.00	
MN	1	840.00	
MO	1	8.00	
NI	1	19.00	
P	1	1000.00	
PB	1	26.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	182.00	
TI	1	2.00	
V	1	10.00	
ZN	1	51.00	
OC	1	11.00	
INC	1	33.00	
TC	1	44.00	
KJN	1	0.80	
VOL	1	3.50	

Forcier Lake
Northern Rocky Mountains
Mapsheet: 94 M08

Variable	N	Mean	Std Dev
AL	1	6.65	
AS	1	2.00	
B	0		
BA	1	38.00	
BE	0		
CA	1	151.00	
CD	1	1.00	
CO	1	10.00	
CR	1	140.00	
CU	1	90.00	
FE	1	99.00	
HG	1	0.05	
MG	1	654.00	
MN	1	116.00	
MO	1	1.00	
NI	1	17.00	
P	1	371.00	
PB	1	22.00	
S	1	1420.00	
SE	1	20.00	
SN	1	15.00	
SR	1	264.00	
TI	0		
V	0		
ZN	1	29.00	
OC	1	3.00	
INC	1	66.40	
TC	1	69.00	
KJN	1	1.50	
VOL	1	6.20	

Fox Lake
Northern Rocky Mountains
Mapsheet: 94 E16

Variable	N	Mean	Std Dev
AL	2	18.30	11.60
AS	2	26.50	2.12
B	0		
BA	2	227.50	282.14
BE	0		
CA	2	15.45	7.57
CD	2	1.00	0.00
CO	2	18.00	2.83
CR	2	205.00	106.07
CU	2	550.00	282.84
FE	2	401.00	407.29
HG	2	0.32	0.28
MG	2	44.65	50.42
MN	2	1199.50	962.37
MO	2	12.50	14.85
NI	2	22.50	14.85
P	2	699.50	693.67
PB	2	20.50	14.85
S	1	3990.00	
SE	2	11.50	2.12
SN	1	5.00	
SR	2	52.50	38.89
TI	0		
V	1	24.00	
ZN	2	84.00	49.50
OC	2	145.00	165.46
INC	2	6.35	8.27
TC	2	151.00	156.98
KJN	1	17.10	
VOL	2	36.20	35.92

Graveyard Lake
Northern Rocky Mountains
Mapsheet: 94 M06

Variable	N	Mean	Std Dev
AL	1	0.94	
AS	1	24.00	
B	1	2.00	
BA	1	147.00	
BE	1	1.00	
CA	1	329.00	
CD	1	1.00	
CO	1	14.00	
CR	1	20.00	
CU	1	70.00	
FE	1	15.00	
HG	1	0.05	
MG	1	68.90	
MN	1	184.00	
MO	1	4.00	
NI	1	6.00	
P	1	126.00	
PB	1	26.00	
S	0		
SE	1	15.00	
SN	1	22.00	
SR	1	499.00	
TI	1	4.00	
V	1	2.00	
ZN	1	10.00	
OC	1	24.00	
INC	1	108.00	
TC	1	132.00	
KJN	1	1.80	
VOL	1	5.40	

Kluachezi Lake
Northern Rocky Mountains
Mapsheet: 94 G13

Variable	N	Mean	Std Dev
AL	1	9.53	
AS	1	28.00	
B	1	1.00	
BA	1	532.00	
BE	1	1.00	
CA	1	63.80	
CD	1	1.00	
CO	1	10.00	
CR	1	470.00	
CU	1	240.00	
FE	1	380.00	
HG	1	0.10	
MG	1	124.00	
MN	1	419.00	
MO	1	9.00	
NI	1	34.00	
P	1	2380.00	
PB	1	27.00	
S	0		
SE	1	10.00	
SN	1	11.00	
SR	1	190.00	
TI	1	2.00	
V	1	35.00	
ZN	1	113.00	
OC	1	52.00	
INC	1	23.00	
TC	1	75.00	
KJN	1	5.50	
VOL	1	15.00	

Long Mountain Lake
Northern Rocky Mountains
Mapsheet: 94 M07

Variable	N	Mean	Std Dev
AL	1	9.92	
AS	1	6.00	
B	0		
BA	1	282.00	
BE	0		
CA	1	80.10	
CD	1	1.00	
CO	1	20.00	
CR	1	330.00	
CU	1	330.00	
FE	1	493.00	
HG	1	0.08	
MG	1	73.10	
MN	1	3870.00	
MO	1	9.00	
NI	1	28.00	
P	1	1340.00	
PB	1	30.00	
S	1	5460.00	
SE	1	22.00	
SN	1	11.00	
SR	1	120.00	
TI	0		
V	0		
ZN	1	85.00	
OC	1	100.00	
INC	1	6.50	
TC	1	106.00	
KJN	1	7.70	
VOL	1	23.20	

Netson Lake
Northern Rocky Mountains
Mapsheet: 94 L10

Variable	N	Mean	Std Dev
AL	1	17.90	
AS	1	37.00	
B	1	1.00	
BA	1	241.00	
BE	1	1.00	
CA	1	47.20	
CD	1	1.00	
CO	1	17.00	
CR	1	390.00	
CU	1	460.00	
FE	1	541.00	
HG	1	0.26	
MG	1	176.00	
MN	1	4810.00	
MO	1	18.00	
NI	1	58.00	
P	1	1010.00	
PB	1	38.00	
S	0		
SE	1	14.00	
SN	1	12.00	
SR	1	114.00	
TI	1	3.00	
V	1	31.00	
ZN	1	284.00	
OC	1	34.00	
INC	1	14.30	
TC	1	48.00	
KJN	1	3.10	
VOL	1	10.10	

Sukunka Lake
Northern Rocky Mountains
Mapsheet: 93 P05

Variable	N	Mean	Std Dev
AL	1	2.77	
AS	1	25.00	
B	0		
BA	1	473.00	
BE	0		
CA	1	34.20	
CD	1	1.00	
CO	1	11.00	
CR	1	220.00	
CU	1	220.00	
FE	1	573.00	
HG	1	0.11	
MG	1	17.30	
MN	1	854.00	
MO	1	7.00	
NI	1	30.00	
P	1	6300.00	
PB	1	22.00	
S	1	6340.00	
SE	1	11.00	
SN	1	11.00	
SR	1	59.00	
TI	0		
V	0		
ZN	1	95.00	
OC	1	304.00	
INC	1	3.10	
TC	1	307.00	
KJN	1	21.10	
VOL	1	65.50	

Wokkpash Lake
Northern Rocky Mountains
Mapsheet: 94 K07

Variable	N	Mean	Std Dev
AL	1	7.43	
AS	1	25.00	
B	1	1.00	
BA	1	362.00	
BE	1	1.00	
CA	1	53.70	
CD	1	1.00	
CO	1	11.00	
CR	1	190.00	
CU	1	270.00	
FE	1	168.00	
HG	1	0.05	
MG	1	340.00	
MN	1	353.00	
MO	1	4.00	
NI	1	22.00	
P	1	393.00	
PB	1	28.00	
S	0		
SE	1	10.00	
SN	1	12.00	
SR	1	28.00	
TI	1	2.00	
V	1	14.00	
ZN	1	37.00	
OC	1	10.00	
INC	1	29.00	
TC	1	39.00	
KJN	1	0.50	
VOL	1	6.10	

Summit Lake
Northern Rocky Mountains
Mapsheet: 94 K10

Variable	N	Mean	Std Dev
AL	1	9.57	
AS	1	25.00	
B	1	1.00	
BA	1	414.00	
BE	1	1.00	
CA	1	55.30	
CD	1	1.00	
CO	1	10.00	
CR	1	250.00	
CU	1	160.00	
FE	1	123.00	
HG	1	0.05	
MG	1	332.00	
MN	1	130.00	
MO	1	3.00	
NI	1	20.00	
P	1	317.00	
PB	1	19.00	
S	0		
SE	1	10.00	
SN	1	10.00	
SR	1	22.00	
TI	1	12.00	
V	1	18.00	
ZN	1	56.00	
OC	1	80.00	
INC	1	27.00	
TC	1	107.00	
KJN	1	7.40	
VOL	1	18.20	

Andy Bailey Lake
Alberta Plateau
Mapsheet: 94 J09

Variable	N	Mean	Std Dev
AL	1	8.78	
AS	1	25.00	
B	1	1.00	
BA	1	178.00	
BE	1	1.00	
CA	1	15.90	
CD	1	1.00	
CO	1	10.00	
CR	1	190.00	
CU	1	230.00	
FE	1	328.00	
HG	1	0.09	
MG	1	24.20	
MN	1	248.00	
MO	1	5.00	
NI	1	20.00	
P	1	996.00	
PB	1	15.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	45.00	
TI	1	8.00	
V	1	20.00	
ZN	1	102.00	
OC	1	214.00	
INC	1	3.10	
TC	1	217.00	
KJN	1	15.90	
VOL	1	51.20	

Beaver Lake
Alberta Plateau
Mapsheet: 94 J14

Variable	N	Mean	Std Dev
AL	1	18.30	
AS	1	25.00	
B	1	1.00	
BA	1	125.00	
BE	1	1.00	
CA	1	8.60	
CD	1	1.00	
CO	1	10.00	
CR	1	300.00	
CU	1	320.00	
FE	1	142.00	
HG	1	0.09	
MG	1	37.60	
MN	1	503.00	
MO	1	9.00	
NI	1	31.00	
P	1	582.00	
PB	1	18.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	48.00	
TI	1	18.00	
V	1	22.00	
ZN	1	103.00	
OC	1	99.00	
INC	1	1.80	
TC	1	101.00	
KJN	1	12.20	
VOL	1	28.80	

Boot Lake
Alberta Plateau
Mapsheet: 93 P01

Variable	N	Mean	Std Dev
AL	1	8.13	
AS	1	24.00	
B	1	1.00	
BA	1	214.00	
BE	1	1.00	
CA	1	8.90	
CD	1	1.00	
CO	1	10.00	
CR	1	190.00	
CU	1	230.00	
FE	1	102.00	
HG	1	0.08	
MG	1	28.10	
MN	1	197.00	
MO	1	4.00	
NI	1	24.00	
P	1	1200.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	27.00	
TI	1	1.00	
V	1	19.00	
ZN	1	81.00	
OC	1	266.00	
INC	1	2.20	
TC	1	268.00	
KJN	1	21.30	
VOL	1	57.00	

Cameron Lake #1
Alberta Plateau
Mapsheet: 93 P13

Variable	N	Mean	Std Dev
AL	1	14.60	
AS	1	25.00	
B	0		
BA	1	818.00	
BE	0		
CA	1	6.09	
CD	1	1.00	
CO	1	11.00	
CR	1	560.00	
CU	1	310.00	
FE	1	480.00	
HG	1	0.31	
MG	1	21.40	
MN	1	190.00	
MO	1	13.00	
NI	1	64.00	
P	1	1900.00	
PB	1	38.00	
S	1	3220.00	
SE	1	17.00	
SN	1	6.00	
SR	1	49.00	
TI	0		
V	0		
ZN	1	216.00	
OC	1	104.00	
INC	1	2.20	
TC	1	106.00	
KJN	1	11.10	
VOL	1	27.20	

Charlie Lake
Alberta Plateau
Mapsheet: 94 A06

Variable	N	Mean	Std Dev
AL	1	9.60	
AS	1	25.00	
B	1	1.00	
BA	1	403.00	
BE	1	1.00	
CA	1	5.56	
CD	1	1.00	
CO	1	11.00	
CR	1	290.00	
CU	1	610.00	
FE	1	309.00	
HG	1	0.10	
MG	1	33.70	
MN	1	419.00	
MO	1	7.00	
NI	1	52.00	
P	1	3260.00	
PB	1	26.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	41.00	
TI	1	2.00	
V	1	29.00	
ZN	1	134.00	
OC	1	100.00	
INC	1	5.60	
TC	1	106.00	
KJN	1	12.10	
VOL	1	26.30	

Chinaman Lake
Alberta Plateau
Mapsheet: 94 B01

Variable	N	Mean	Std Dev
AL	1	5.54	
AS	1	25.00	
B	1	1.00	
BA	1	211.00	
BE	1	1.00	
CA	1	9.30	
CD	1	1.00	
CO	1	10.00	
CR	1	180.00	
CU	1	210.00	
FE	1	95.00	
HG	1	0.10	
MG	1	19.40	
MN	1	107.00	
MO	1	3.00	
NI	1	33.00	
P	1	1310.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	34.00	
TI	1	4.00	
V	1	21.00	
ZN	1	110.00	
OC	1	230.00	
INC	1	2.00	
TC	1	232.00	
KJN	1	21.60	
VOL	1	48.70	

Coles Lake
Alberta Plateau
Mapsheet: 94 O15

Variable	N	Mean	Std Dev
AL	1	7.00	
AS	1	25.00	
B	1	1.00	
BA	1	105.00	
BE	1	1.00	
CA	1	15.60	
CD	1	1.00	
CO	1	11.00	
CR	1	160.00	
CU	1	130.00	
FE	1	203.00	
HG	1	0.09	
MG	1	21.70	
MN	1	131.00	
MO	1	3.00	
NI	1	23.00	
P	1	565.00	
PB	1	26.00	
S	0		
SE	1	10.00	
SN	1	10.00	
SR	1	41.00	
TI	1	3.00	
V	1	13.00	
ZN	1	128.00	
OC	1	175.00	
INC	1	5.60	
TC	1	181.00	
KJN	1	13.50	
VOL	1	43.00	

Ekwan Lake
Alberta Plateau
Mapsheet: 94 I10

Variable	N	Mean	Std Dev
AL	1	7.17	
AS	1	25.00	
B	1	1.00	
BA	1	103.00	
BE	1	1.00	
CA	1	17.00	
CD	1	1.00	
CO	1	10.00	
CR	1	170.00	
CU	1	160.00	
FE	1	357.00	
HG	1	0.09	
MG	1	31.10	
MN	1	808.00	
MO	1	2.00	
NI	1	28.00	
P	1	1020.00	
PB	1	26.00	
S	0		
SE	1	10.00	
SN	1	10.00	
SR	1	49.00	
TI	1	14.00	
V	1	16.00	
ZN	1	147.00	
OC	1	177.00	
INC	1	2.00	
TC	1	179.00	
KJN	1	17.00	
VOL	1	43.10	

Estsine Lake
Alberta Plateau
Mapsheet: 93 P13

Variable	N	Mean	Std Dev
AL	1	5.46	
AS	1	25.00	
B	1	1.00	
BA	1	64.00	
BE	1	1.00	
CA	1	7.10	
CD	1	1.00	
CO	1	10.00	
CR	1	170.00	
CU	1	110.00	
FE	1	91.00	
HG	1	0.05	
MG	1	17.70	
MN	1	121.00	
MO	1	2.00	
NI	1	14.00	
P	1	483.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	25.00	
TI	1	43.00	
V	1	15.00	
ZN	1	71.00	
OC	1	171.00	
INC	1	0.50	
TC	1	171.00	
KJN	1	11.90	
VOL	1	38.60	

Etthithum Lake
Alberta Plateau
Mapsheet: 94 H16

Variable	N	Mean	Std Dev
AL	1	6.49	
AS	1	25.00	
B	1	1.00	
BA	1	125.00	
BE	1	1.00	
CA	1	13.50	
CD	1	1.00	
CO	1	10.00	
CR	1	150.00	
CU	1	210.00	
FE	1	208.00	
HG	1	0.26	
MG	1	23.80	
MN	1	144.00	
MO	1	2.00	
NI	1	33.00	
P	1	674.00	
PB	1	18.00	
S	0		
SE	1	10.00	
SN	1	10.00	
SR	1	60.00	
TI	1	2.00	
V	1	15.00	
ZN	1	121.00	
OC	1	236.00	
INC	1	2.30	
TC	1	238.00	
KJN	1	22.10	
VOL	1	56.50	

July Lake
Alberta Plateau
Mapsheet: 94 P15

Variable	N	Mean	Std Dev
AL	1	14.30	
AS	1	25.00	
B	1	1.00	
BA	1	125.00	
BE	1	1.00	
CA	1	7.90	
CD	1	1.00	
CO	1	10.00	
CR	1	310.00	
CU	1	170.00	
FE	1	205.00	
HG	1	0.07	
MG	1	44.60	
MN	1	148.00	
MO	1	5.00	
NI	1	28.00	
P	1	717.00	
PB	1	18.00	
S	0		
SE	1	10.00	
SN	1	6.00	
SR	1	35.00	
TI	1	5.00	
V	1	24.00	
ZN	1	129.00	
OC	1	95.00	
INC	1	0.80	
TC	1	96.00	
KJN	1	8.30	
VOL	1	23.90	

Klowpe Lake
Alberta Plateau
Mapsheet: 94 J11

Variable	N	Mean	Std Dev
AL	1	9.98	
AS	1	25.00	
B	1	1.00	
BA	1	303.00	
BE	1	1.00	
CA	1	9.30	
CD	1	1.00	
CO	1	19.00	
CR	1	180.00	
CU	1	350.00	
FE	1	291.00	
HG	1	0.27	
MG	1	27.90	
MN	1	136.00	
MO	1	4.00	
NI	1	49.00	
P	1	998.00	
PB	1	33.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	38.00	
TI	1	2.00	
V	1	20.00	
ZN	1	163.00	
OC	1	126.00	
INC	1	0.50	
TC	1	126.00	
KJN	1	15.70	
VOL	1	35.00	

Kwokullie Lake
Alberta Plateau
Mapsheet: 94 P07

Variable	N	Mean	Std Dev
AL	1	8.54	
AS	1	25.00	
B	1	1.00	
BA	1	103.00	
BE	1	1.00	
CA	1	8.70	
CD	1	1.00	
CO	1	10.00	
CR	1	170.00	
CU	1	140.00	
FE	1	211.00	
HG	1	0.13	
MG	1	25.70	
MN	1	139.00	
MO	1	1.00	
NI	1	24.00	
P	1	533.00	
PB	1	21.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	32.00	
TI	1	5.00	
V	1	14.00	
ZN	1	124.00	
OC	1	122.00	
INC	1	2.90	
TC	1	125.00	
KJN	1	12.10	
VOL	1	29.10	

Milo Lake
Alberta Plateau
Mapsheet: 94 J11

Variable	N	Mean	Std Dev
AL	1	12.00	
AS	1	25.00	
B	1	1.00	
BA	1	282.00	
BE	1	1.00	
CA	1	9.70	
CD	1	1.00	
CO	1	14.00	
CR	1	160.00	
CU	1	250.00	
FE	1	133.00	
HG	1	0.13	
MG	1	23.60	
MN	1	93.00	
MO	1	3.00	
NI	1	41.00	
P	1	1030.00	
PB	1	22.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	41.00	
TI	1	2.00	
V	1	17.00	
ZN	1	173.00	
OC	1	117.00	
INC	1	1.90	
TC	1	119.00	
KJN	1	10.80	
VOL	1	31.80	

Midwinter Lake
Alberta Plateau
Mapsheet: 94 P15

Variable	N	Mean	Std Dev
AL	1	12.70	
AS	1	24.00	
B	1	1.00	
BA	1	122.00	
BE	1	1.00	
CA	1	10.30	
CD	1	1.00	
CO	1	10.00	
CR	1	270.00	
CU	1	130.00	
FE	1	176.00	
HG	1	0.08	
MG	1	35.20	
MN	1	142.00	
MO	1	3.00	
NI	1	25.00	
P	1	760.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	5.00	
SR	1	37.00	
TI	1	11.00	
V	1	21.00	
ZN	1	112.00	
OC	1	158.00	
INC	1	2.20	
TC	1	160.00	
KJN	1	13.50	
VOL	1	33.50	

One Island Lake
Alberta Plateau
Mapsheet: 93 P08

Variable	N	Mean	Std Dev
AL	1	4.40	
AS	1	3.00	
B	0		
BA	1	187.00	
BE	0		
CA	1	12.10	
CD	1	1.00	
CO	1	10.00	
CR	1	110.00	
CU	1	160.00	
FE	1	125.00	
HG	1	0.09	
MG	1	42.30	
MN	1	164.00	
MO	1	2.00	
NI	1	19.00	
P	1	1410.00	
PB	1	23.00	
S	1	2830.00	
SE	1	10.00	
SN	1	22.00	
SR	1	54.00	
TI	0		
V	0		
ZN	1	84.00	
OC	1	278.00	
INC	1	2.40	
TC	1	280.00	
KJN	1	19.20	
VOL	1	60.40	

Outanneley Lake
Alberta Plateau
Mapsheet: 94 P03

Variable	N	Mean	Std Dev
AL	1	6.54	
AS	1	25.00	
B	1	1.00	
BA	1	96.00	
BE	1	1.00	
CA	1	12.50	
CD	1	1.00	
CO	1	10.00	
CR	1	130.00	
CU	1	120.00	
FE	1	187.00	
HG	1	0.10	
MG	1	18.90	
MN	1	293.00	
MO	1	2.00	
NI	1	20.00	
P	1	740.00	
PB	1	25.00	
S	0		
SE	1	10.00	
SN	1	9.00	
SR	1	38.00	
TI	1	3.00	
V	1	16.00	
ZN	1	128.00	
OC	1	257.00	
INC	1	1.40	
TC	1	258.00	
KJN	1	24.40	
VOL	1	54.30	

Parker Lake
Alberta Plateau
Mapsheet: 94 J15

Variable	N	Mean	Std Dev
AL	1	9.93	
AS	1	25.00	
B	1	1.00	
BA	1	111.00	
BE	1	1.00	
CA	1	23.30	
CD	1	1.00	
CO	1	10.00	
CR	1	170.00	
CU	1	220.00	
FE	1	101.00	
HG	1	0.09	
MG	1	26.80	
MN	1	172.00	
MO	1	3.00	
NI	1	44.00	
P	1	945.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	11.00	
SR	1	80.00	
TI	1	44.00	
V	1	18.00	
ZN	1	116.00	
OC	1	346.00	
INC	1	2.00	
TC	1	348.00	
KJN	1	24.70	
VOL	1	71.90	

Patry Lake
Alberta Plateau
Mapsheet: 94 O06

Variable	N	Mean	Std Dev
AL	1	6.73	
AS	1	25.00	
B	1	1.00	
BA	1	108.00	
BE	1	1.00	
CA	1	15.50	
CD	1	1.00	
CO	1	10.00	
CR	1	120.00	
CU	1	160.00	
FE	1	97.00	
HG	1	0.12	
MG	1	18.30	
MN	1	106.00	
MO	1	2.00	
NI	1	30.00	
P	1	922.00	
PB	1	14.00	
S	0		
SE	1	10.00	
SN	1	8.00	
SR	1	38.00	
TI	1	7.00	
V	1	11.00	
ZN	1	14.00	
OC	1	232.00	
INC	1	2.60	
TC	1	235.00	
KJN	1	23.00	
VOL	1	52.90	

Quality Lake
Alberta Plateau
Mapsheet: 93 P02

Variable	N	Mean	Std Dev
AL	1	3.72	
AS	1	25.00	
B	1	1.00	
BA	1	214.00	
BE	1	1.00	
CA	1	97.70	
CD	1	1.00	
CO	1	10.00	
CR	1	110.00	
CU	1	120.00	
FE	1	162.00	
HG	1	0.08	
MG	1	45.90	
MN	1	180.00	
MO	1	3.00	
NI	1	17.00	
P	1	861.00	
PB	1	14.00	
S	0		
SE	1	10.00	
SN	1	15.00	
SR	1	109.00	
TI	1	10.00	
V	1	12.00	
ZN	1	62.00	
OC	1	260.00	
INC	1	26.00	
TC	1	286.00	
KJN	1	18.00	
VOL	1	51.90	

Sundance Lake
Alberta Plateau
Mapsheet: 93 P11

Variable	N	Mean	Std Dev
AL	1	3.13	
AS	1	1.00	
B	0		
BA	1	342.00	
BE	0		
CA	1	100.00	
CD	1	1.00	
CO	1	10.00	
CR	1	100.00	
CU	1	180.00	
FE	1	72.00	
HG	1	0.07	
MG	1	33.50	
MN	1	101.00	
MO	1	3.00	
NI	1	20.00	
P	1	1030.00	
PB	1	25.00	
S	1	6640.00	
SE	1	10.00	
SN	1	24.00	
SR	1	119.00	
TI	0		
V	0		
ZN	1	126.00	
OC	1	242.00	
INC	1	23.00	
TC	1	265.00	
KJN	1	19.80	
VOL	1	50.30	

Swan Lake
Alberta Plateau
Mapsheet: 93 P09

Variable	N	Mean	Std Dev
AL	1	11.90	
AS	1	5.00	
B	0		
BA	1	305.00	
BE	0		
CA	1	6.95	
CD	1	1.00	
CO	1	14.00	
CR	1	310.00	
CU	1	290.00	
FE	1	340.00	
HG	1	0.10	
MG	1	49.20	
MN	1	436.00	
MO	1	6.00	
NI	1	37.00	
P	1	1180.00	
PB	1	22.00	
S	1	1510.00	
SE	1	18.00	
SN	1	5.00	
SR	1	58.00	
TI	0		
V	0		
ZN	1	121.00	
OC	1	32.00	
INC	1	1.00	
TC	1	33.00	
KJN	1	3.70	
VOL	1	12.40	

Thinatea Lake
Alberta Plateau
Mapsheet: 94 P09

Variable	N	Mean	Std Dev
AL	1	1.11	
AS	1	25.00	
B	1	1.00	
BA	1	16.00	
BE	1	1.00	
CA	1	3.90	
CD	1	1.00	
CO	1	10.00	
CR	1	0.00	
CU	1	40.00	
FE	1	35.00	
HG	1	0.05	
MG	1	14.90	
MN	1	38.00	
MO	1	1.00	
NI	1	6.00	
P	1	239.00	
PB	1	10.00	
S	0		
SE	1	10.00	
SN	1	7.00	
SR	1	9.00	
TI	1	32.00	
V	1	4.00	
ZN	1	21.00	
OC	1	12.00	
INC	1	2.60	
TC	1	15.00	
KJN	1	0.90	
VOL	1	2.30	

APPENDIX 3

Sediment Variables Showing Evidence of a Normal Distribution

In testing for normality, large values of Prob<W indicate that data show evidence of a normal distribution and low values do not. Values range from 0.00 to 1.00. In this report, a Prob<W value of 0.500 or greater was considered to be evidence of a normal distribution.

Table 1: Sediment Variables showing evidence of a normal distribution.

Sub-region	Variable	n	Prob<W
n. Cascade Mtns.	Al	11	0.9568
n. Cascade Mtns.	Ba	11	0.6466
n. Cascade Mtns.	Cr	11	0.6871
n. Cascade Mtns.	Cu	11	0.5016
n. Cascade Mtns.	Fe	11	0.5975
n. Cascade Mtns.	Mg	11	0.8180
n. Cascade Mtns.	Ni	11	0.5217
n. Cascade Mtns.	Organic C	11	0.5037
n. Cascade Mtns.	Total C	11	0.5593
s. Cascade Mtns.	V	16	0.5849
n. Insular Belt	Al	10	0.9528
n. Insular Belt	As	10	0.8897
n. Insular Belt	Mo	10	0.5377
n. Insular Belt	Zn	10	0.7756
n. Interior Plateau	Al	17	0.8878
n. Interior Plateau	Fe	17	0.6799
n. Interior Plateau	Pb	17	0.9993
n. Interior Plateau	Zn	17	0.9489
c. Omineca Belt	Al	22	0.8309
c. Omineca Belt	Ni	22	0.5253
c. Omineca Belt	Sr	22	0.7663
c. Omineca Belt	V	10	0.9592
c. Omineca Belt	Zn	22	0.9532
c. Omineca Belt	Volatiles	22	0.6104
n. Rocky Mtns.	Cr	11	0.9907
s. Rocky Mtns.	Al	27	0.7248

APPENDIX 4

Results of Wilcoxon Rank Sum Tests
Comparing Sediment Variable Concentrations
Between Tectonic Regions

Sediment variable concentrations were compared between adjacent tectonic regions using H_0: Region 1 [variable] = Region 2 [variable] with $\alpha = 0.05$. Variables are listed as being significantly different or not significantly different for each hypothesis tested in Tables 1 through 5.

Table 1: Results for the H_0: Insular Belt [variable] = Cascade Mountain [variable].

Significantly different		Not significantly different		
B	V	Al	Fe	Sr
Ba	Organic C	As	Hg	Ti
Ca	Kjeldahl N	Be	Mg	Zn
Mn	Volatiles	Cd	P	Inorg. C
Mo		Co	Pb	Total C
Ni		Cr	Se	
S		Cu	Sn	

Table 2: Results for the H_0: Cascade Mountain [variable] = Interior Plateau [variable].

Significantly different		Not significantly different		
Al	S	As	Mg	Organic C
B	Sn	Ba	Mo	Total C
Ca	Sr	Be	P	Volatiles
Co	Ti	Cd	Pb	
Cr	Inorg. C	Cu	Se	
Mn	Kjeldahl N	Fe	V	
Ni		Hg	Zn	

Table 3: Results for the H_0: Interior Plateau [variable] = Omineca Belt [variable].

Significantly different		Not significantly different		
Al	Total C	As	Cu	P
Ca	Kjeldahl N	B	Fe	Se
Pb	Volatiles	Ba	Hg	Sn
S		Be	Mg	Ti
Sr		Cd	Mn	V
Zn		Co	Mo	Inorg. C
Organic C		Cr	Ni	

Table 4: Results for the H_0: Omineca Belt [variable] = Rocky Mountain [variable].

Significantly different			Not significantly different	
Al	Hg	V	B	Sn
As	Mg	Inorg. C	Be	Sr
Ba	Mn		Cd	Zn
Ca	Mo		Fe	Organic C
Co	P		Ni	Total C
Cr	S		Pb	Kjeldahl N
Cu	Ti		Se	Volatiles

Table 5: Results for the H_0: Rocky Mountain [variable] = Alberta Plateau [variable].

Significantly different			Not significantly different	
As	Pb	Inorg. C	Al	Fe
B	Se	Total C	Ba	Hg
Ca	Sn	Kjeldahl N	Be	P
Mg	Sr	Volatiles	Cd	S
Mn	V		Co	Ti
Mo	Zn		Cr	
Ni	Organic C		Cu	

APPENDIX 5

Graphical Representation of Regression Analyses With Lake Water pH as the Independent Variable.

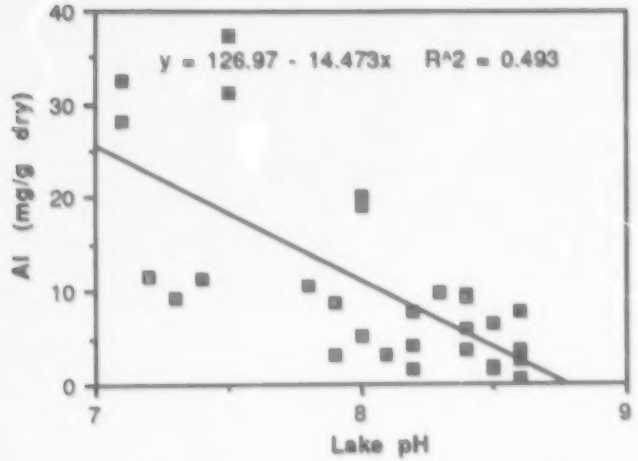

Figure 1: Al as a function of lake pH: southern Omineca Plateau.

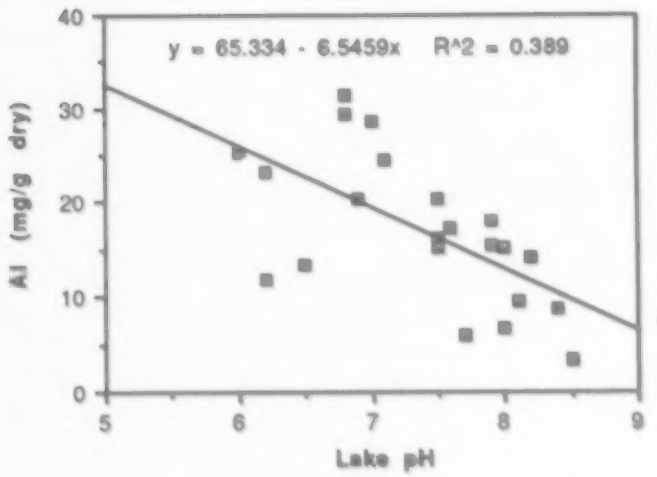

Figure 2: Al as a function of lake pH: central Omineca Belt.

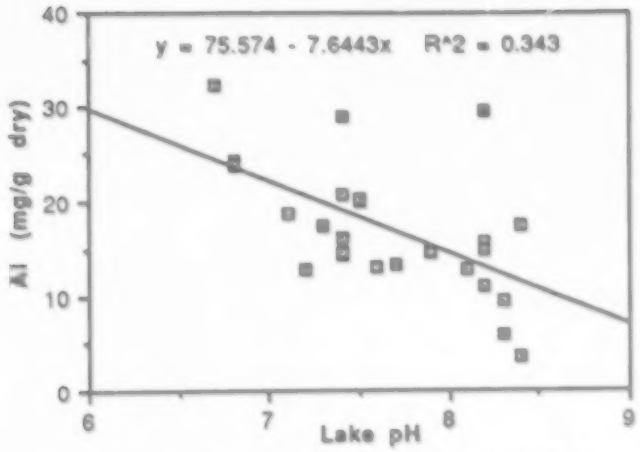

Figure 3: Al as a function of lake pH: northern Omineca Plateau.

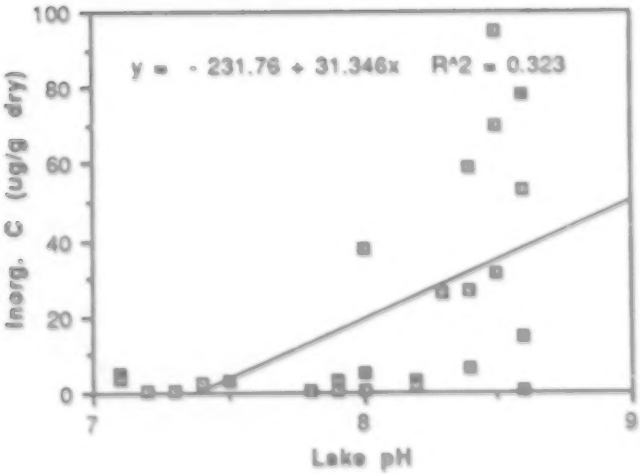

Figure 4: Inorganic C as a function of lake pH: southern Omineca Belt.

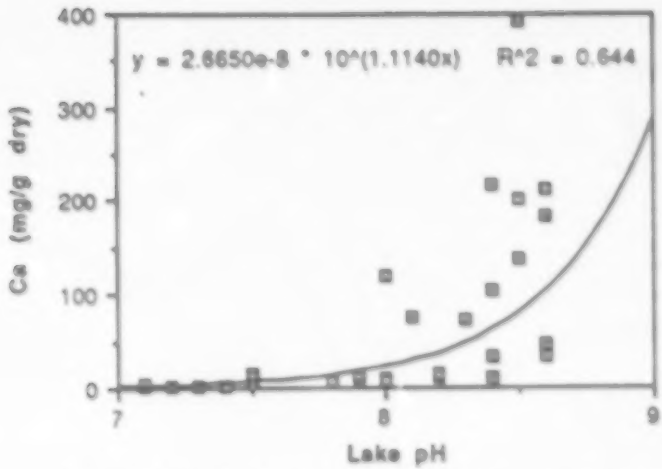

Figure 5: Ca as a function of lake pH: southern Omineca Belt.

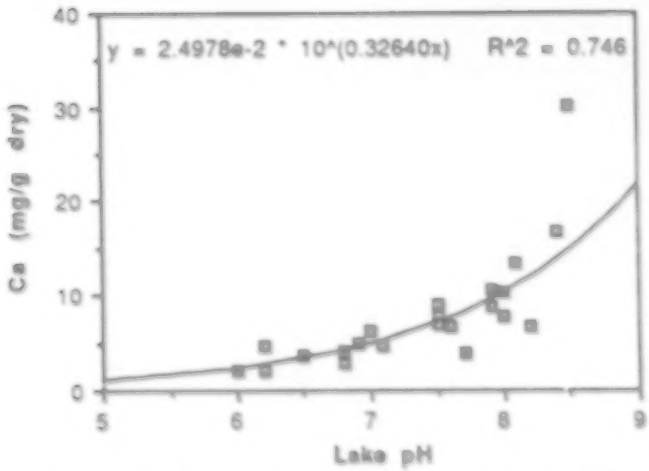

Figure 6: Ca as a function of lake pH: central Omineca Belt.

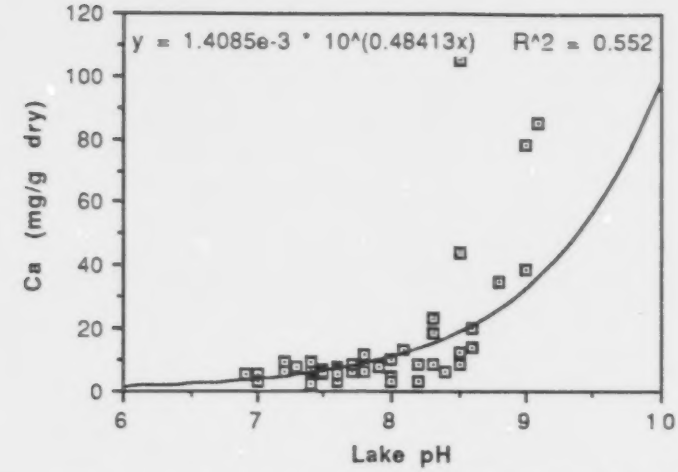

Figure 7: Ca as a function of lake pH: central Interior Plateau.

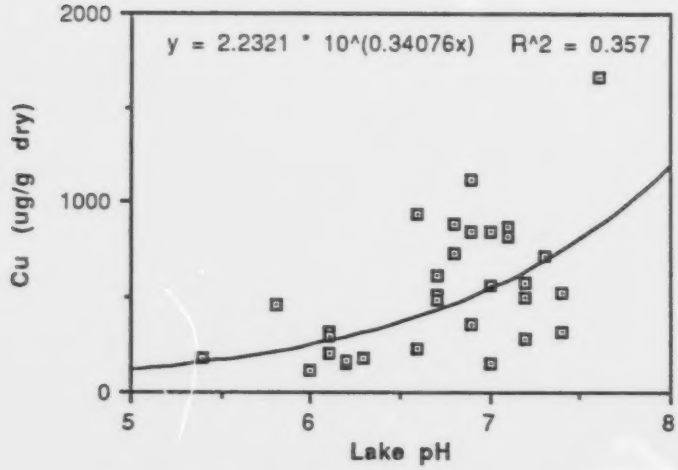

Figure 8: Cu as a function of lake pH: Cascade Mountains.

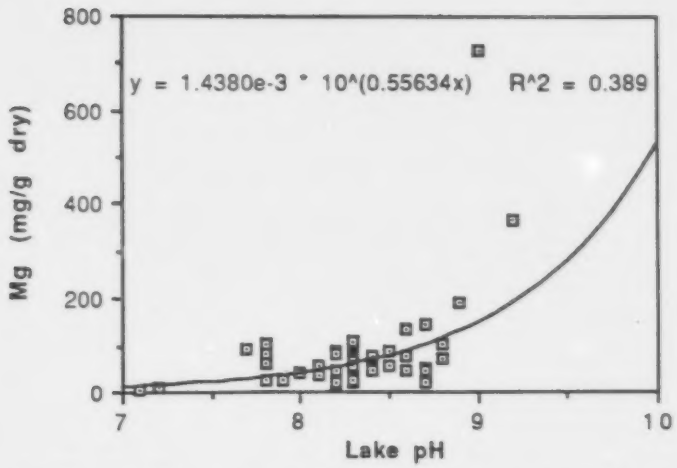

Figure 9: Mg as a function of lake pH: southern Interior Plateau.

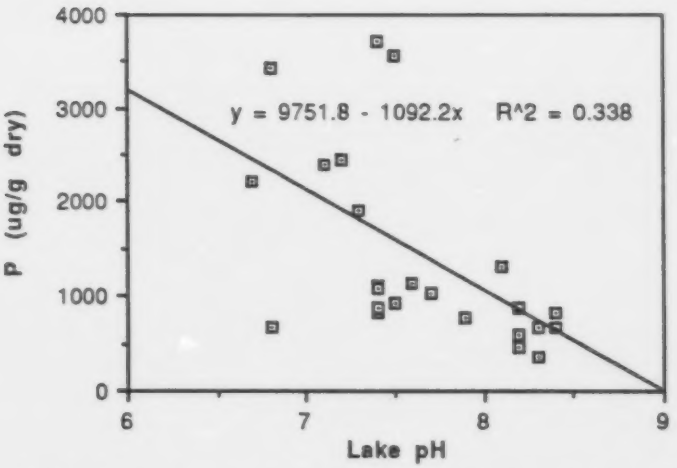

Figure 10: P as a function of lake pH: northern Omineca Plateau.

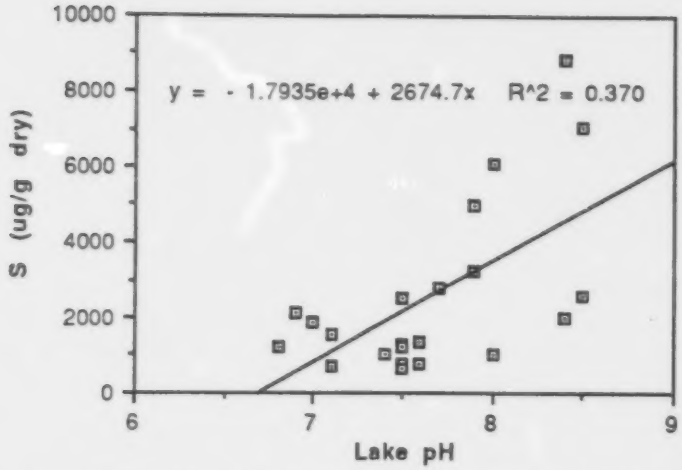

Figure 11: S as a function of lake pH: Omineca Plateau.

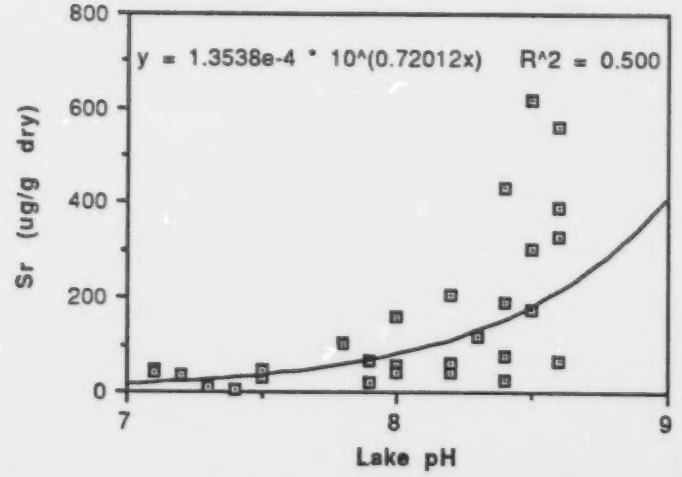

Figure 12: Sr as a function of lake pH: southern Omineca Plateau.

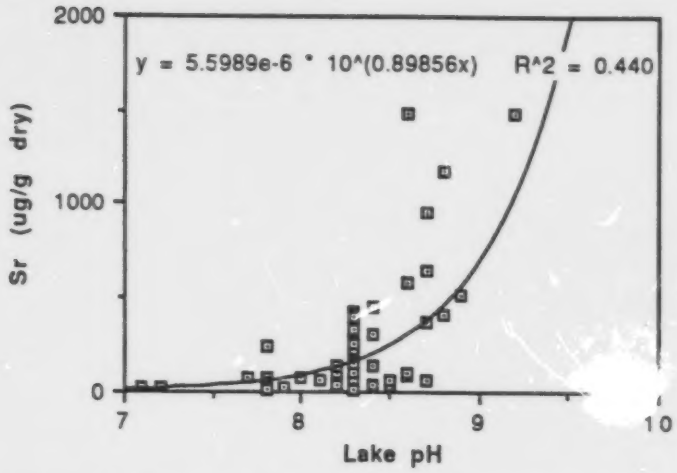

Figure 13: Sr as a function of lake pH: southern Interior Plateau.

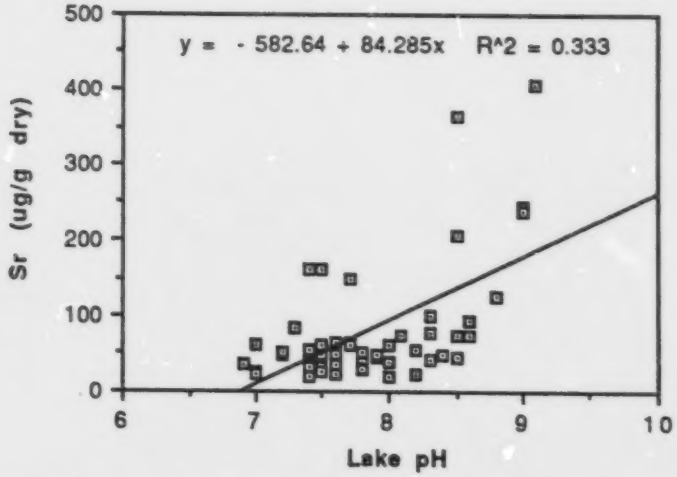

Figure 14: Sr as a function of lake pH: central Interior Plateau.

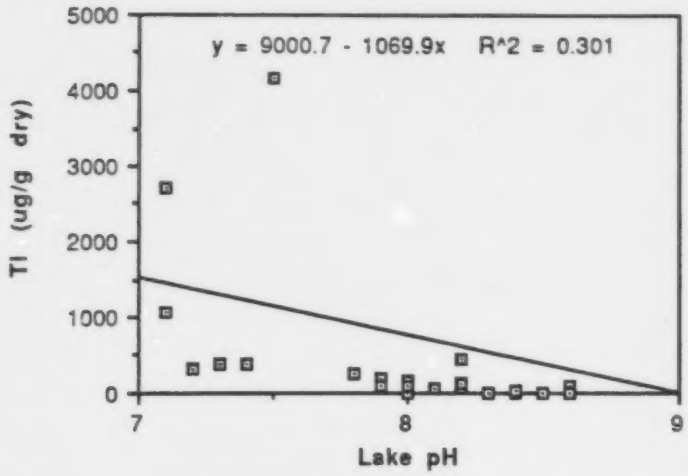

Figure 15: Ti as a function of lake pH: southern Omineca Plateau.

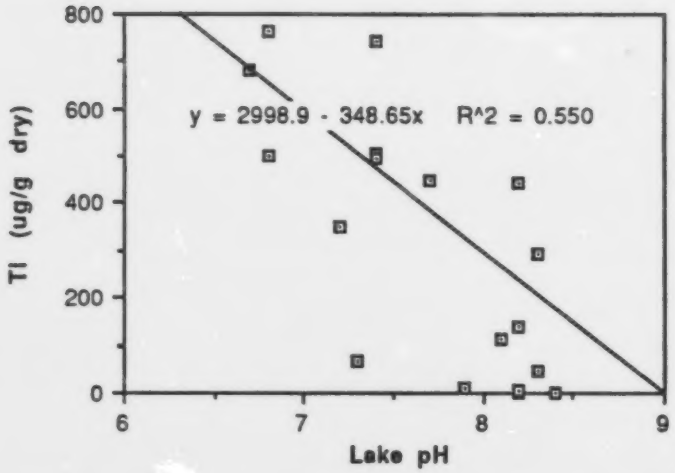

Figure 16: Ti as a function of lake pH: northern Omineca Plateau.

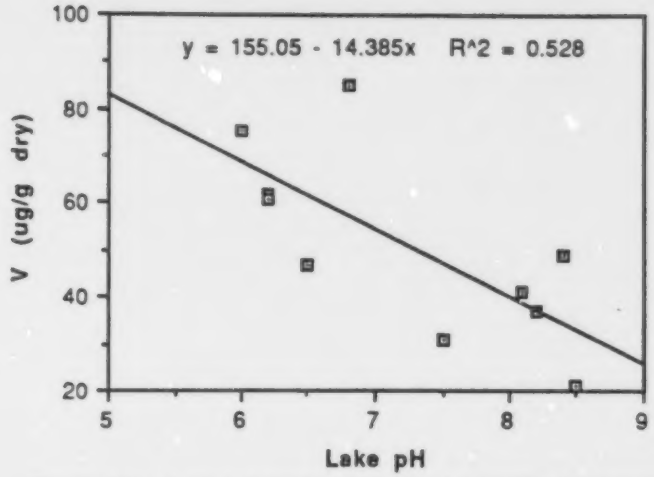

Figure 17: V as a function of lake pH: central Omineca Belt.

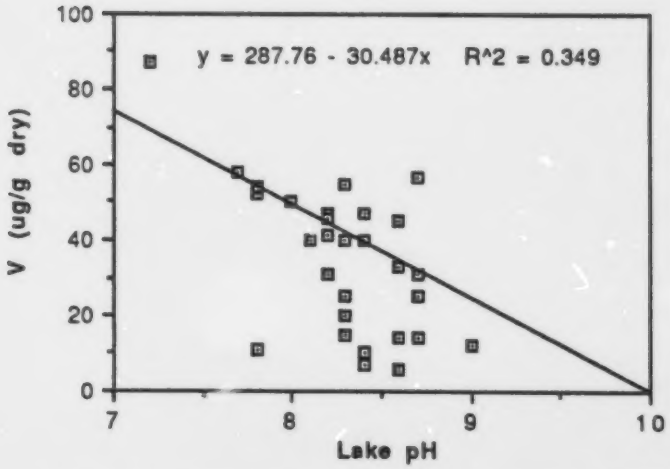

Figure 18: V as a function of lake pH: southern Interior Plateau.

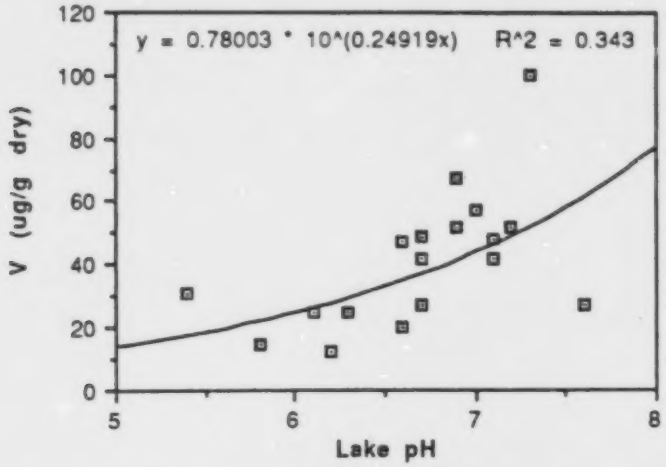

Figure 19: V as a function of lake pH: Cascade Mountains.

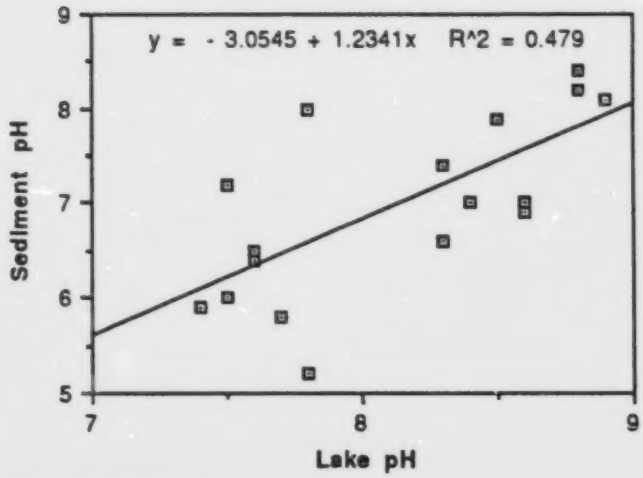

Figure 20: Sediment pH as a function of lake pH: Interior Plateau.

APPENDIX 6

Graphical Representation of Regression Analyses
With Sediment pH as the Independent Variable.

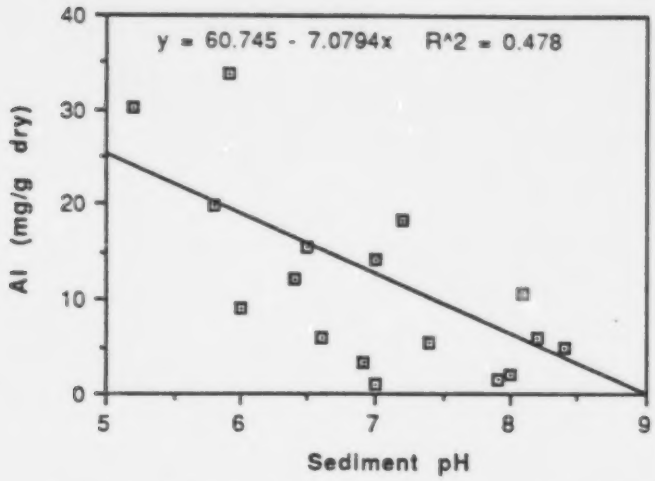

Figure 1: Al as a function of sediment pH: Interior Plateau

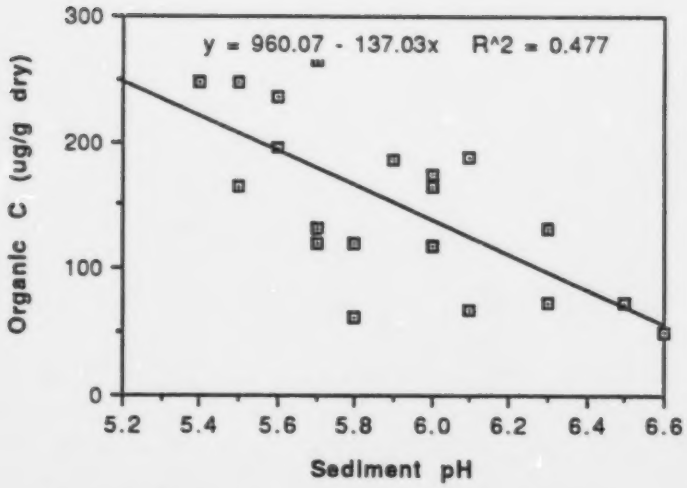

Figure 2: Organic C as a function of sediment pH: Insular Belt.

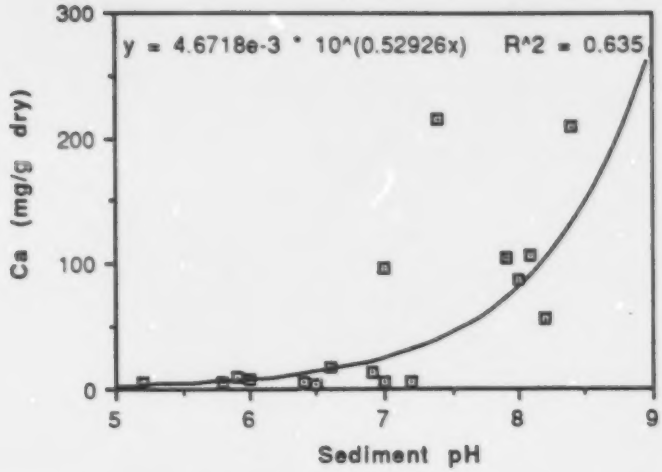

Figure 3: Ca as a function of sediment pH: Interior Plateau.

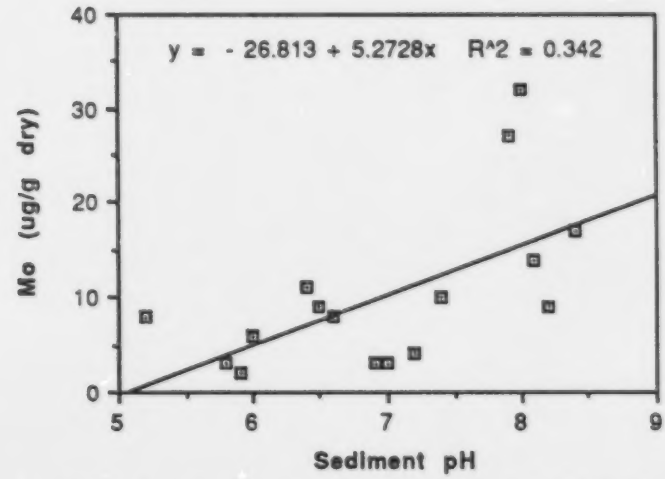

Figure 4: Mo as a function of sediment pH: Interior Plateau.

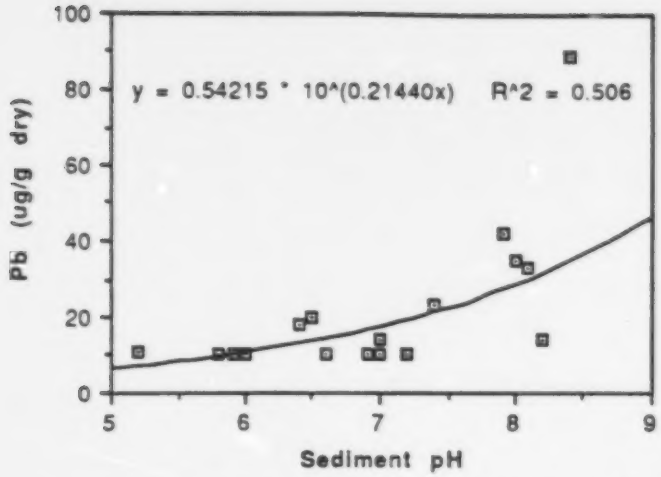

Figure 5: Pb as a function of sediment pH: Interior Plateau.

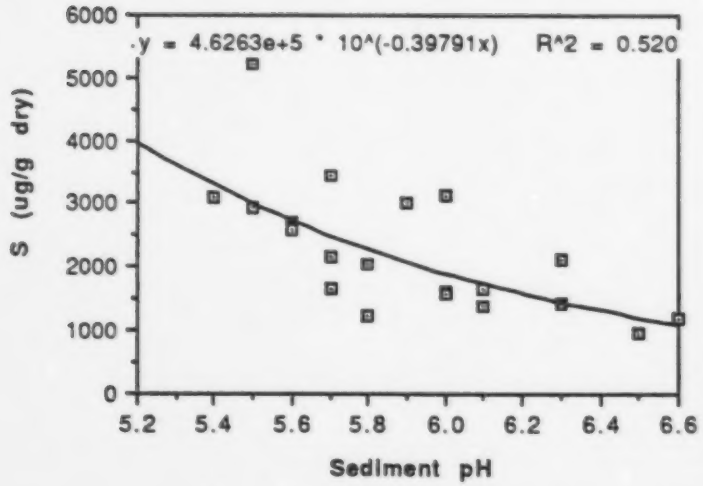

Figure 6: S as a function of sediment pH: Insular Belt.

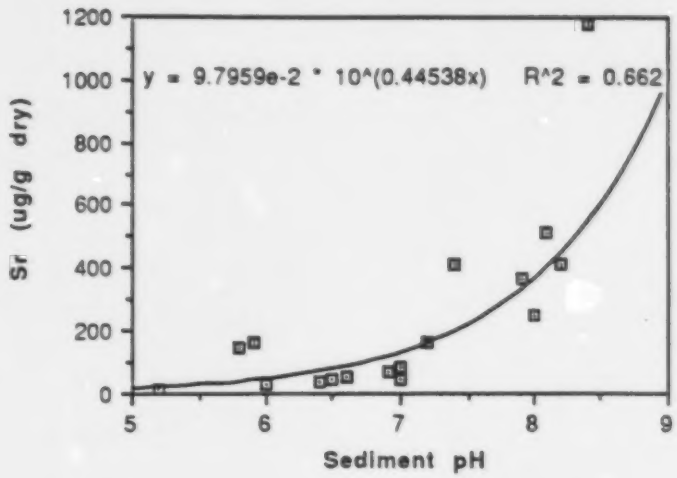

Figure 7: Sr as a function of sediment pH: Interior Plateau.

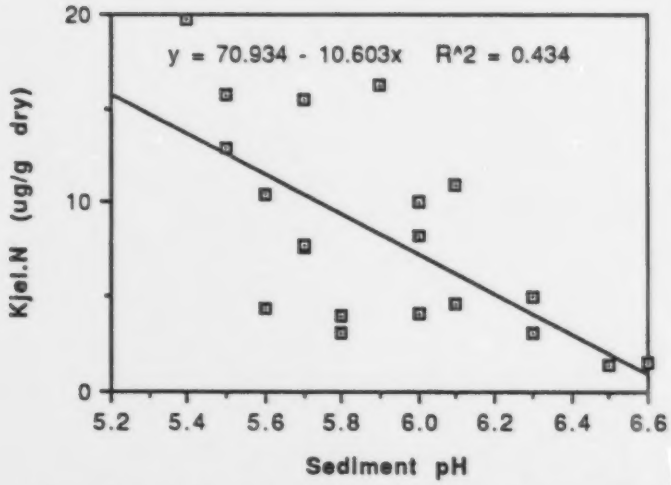

Figure 8: Kjeldahl N as a function of sediment pH: Insular Belt.

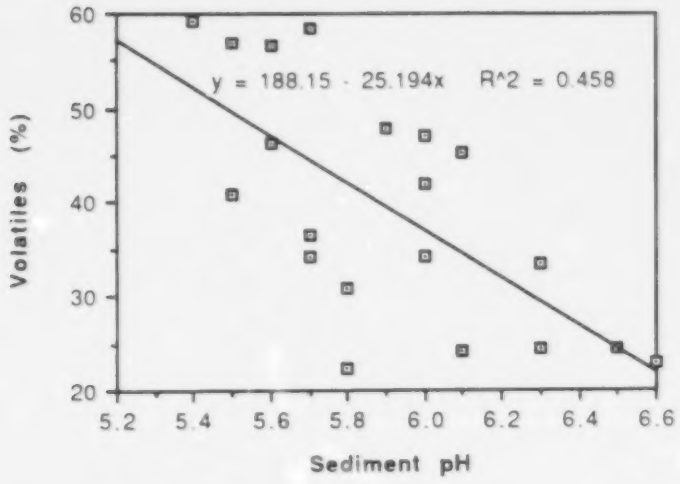

Figure 9: Volatiles as a function of sediment pH: Insular Belt.

APPENDIX 7

Graphical Representation of Regression Analyses With Organic Carbon as the Independent Variable.

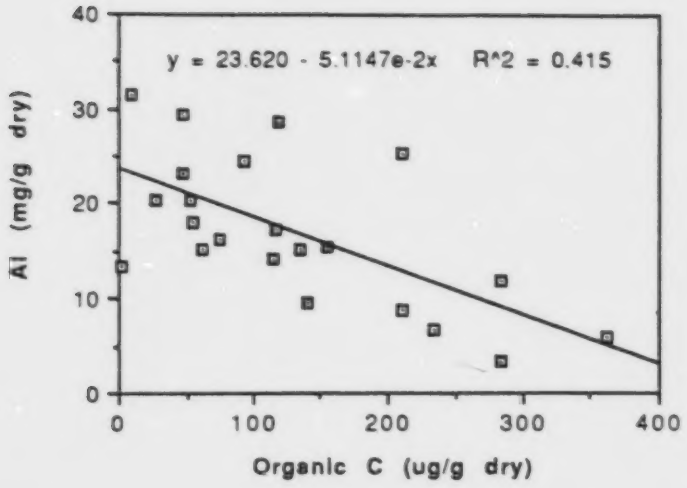

Figure 1: Al as a function of organic C: central Omineca Belt.

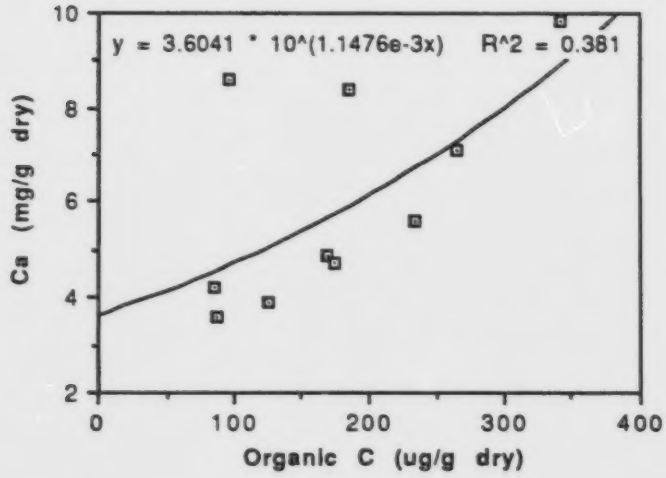

Figure 2: Ca as a function of organic C: northern Insular Belt.

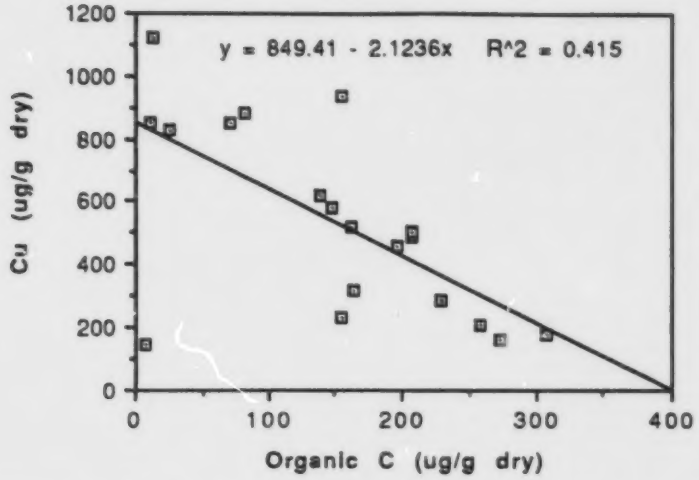

Figure 3: Cu as a function of organic C: southern Cascade Mountains.

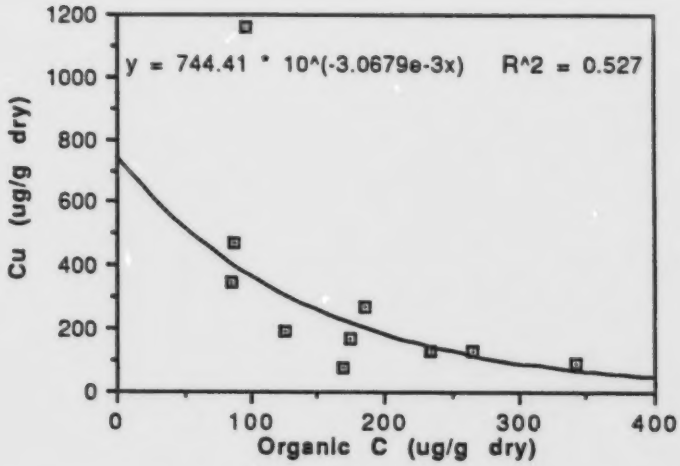

Figure 4: Cu as a function of organic C: northern Insular Belt.

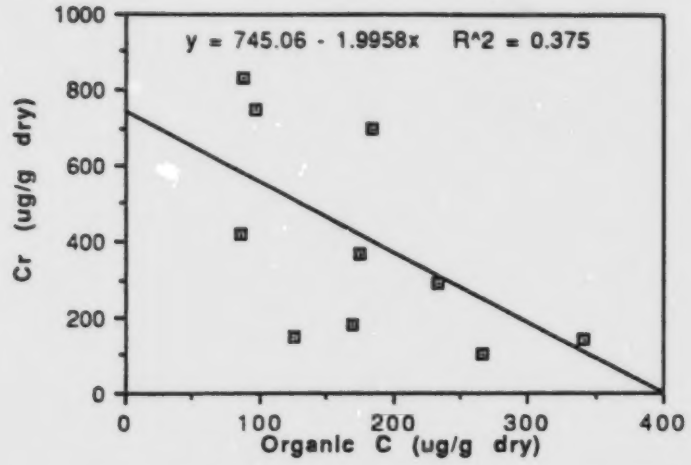

Figure 5: Cr as afunction of organic C: northern Insular Belt.

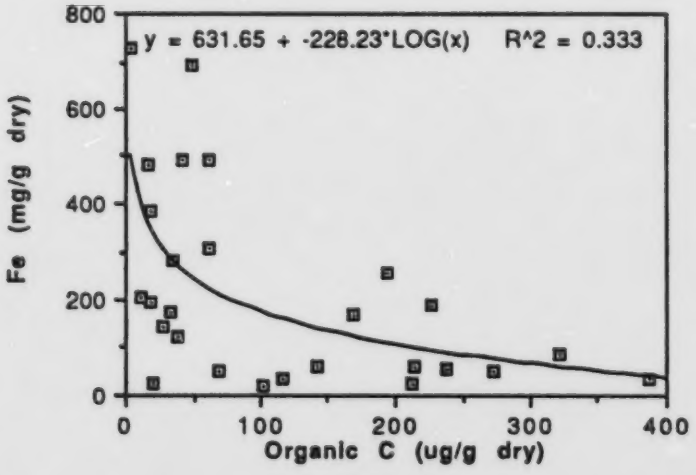

Figure 6: Fe as a function of organic C: southern Omineca Plateau.

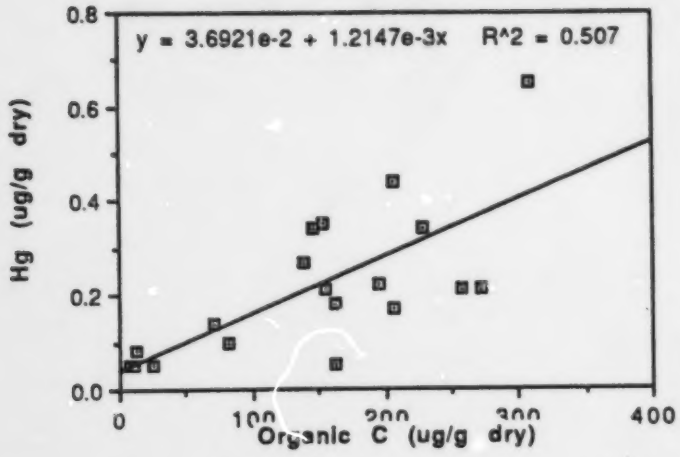

Figure 7: Hg as a function of organic C: southern Cascade Mountains.

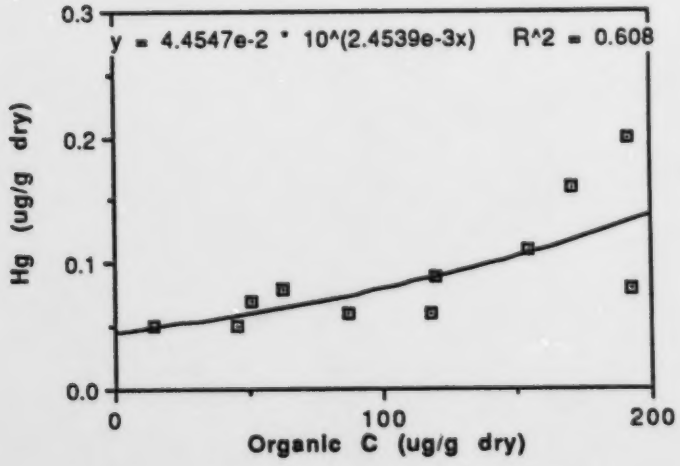

Figure 8: Hg as a function of organic C: northern Cascade Mountains.

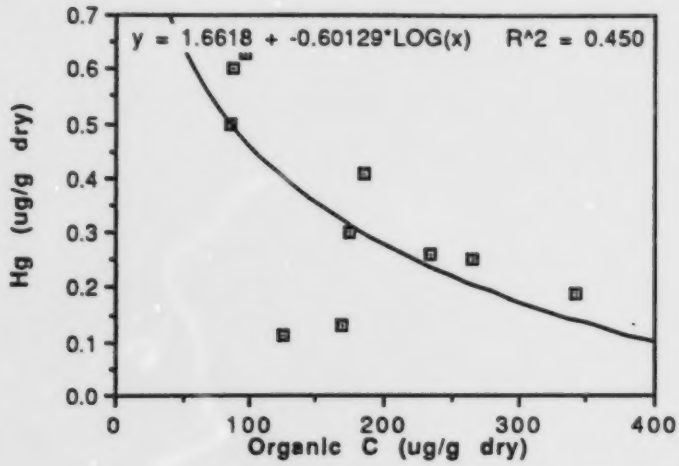

Figure 9: Hg as function of organic C: northern Insular Belt.

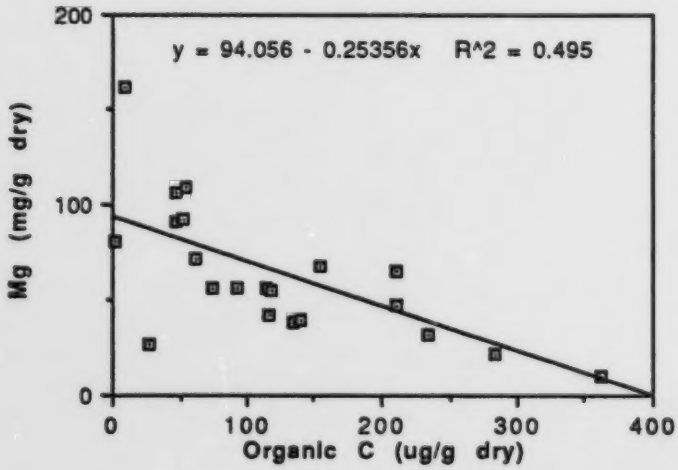

Figure 10: Mg as a function of organic C: central Omineca Belt.

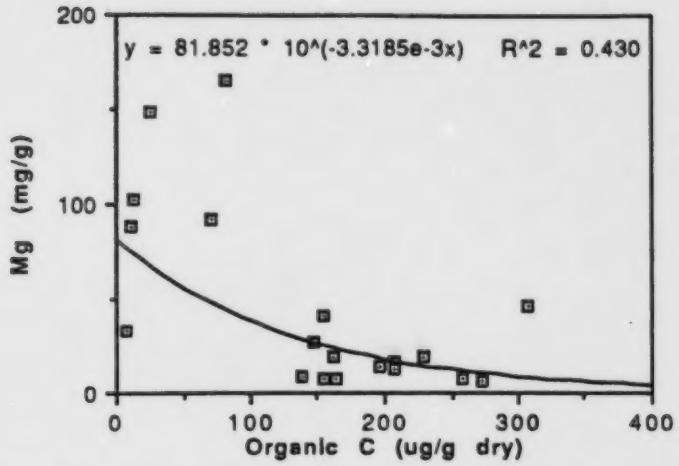

Figure 11: Mg as a function of organic C: southern Cascade Mountains.

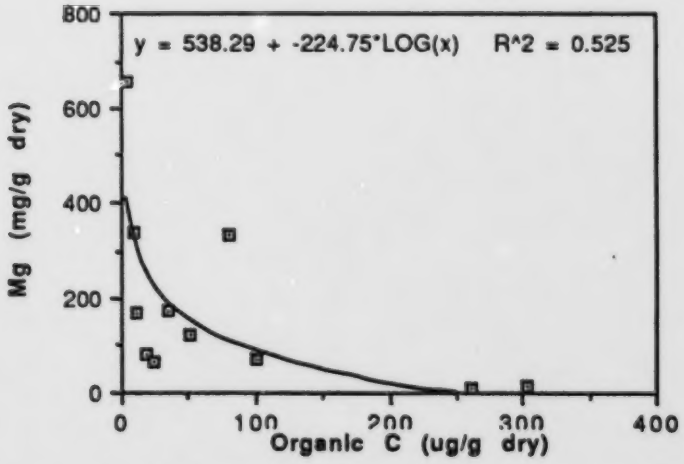

Figure 12: Mg as a function of organic C: northern Rocky Mountains.

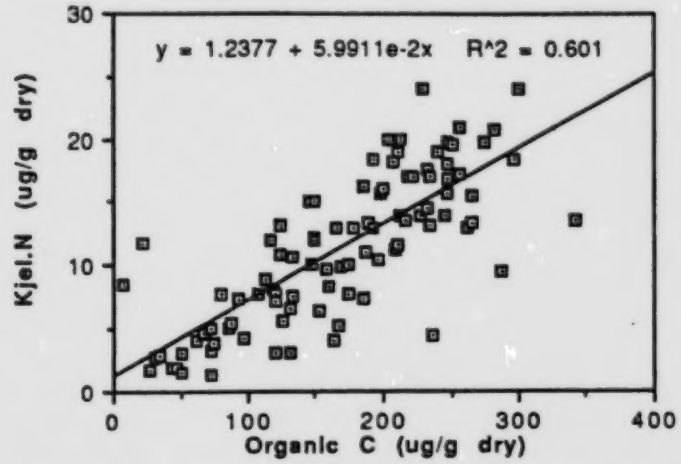

Figure 13: Kjeldahl N as a function of organic C: Insular Belt.

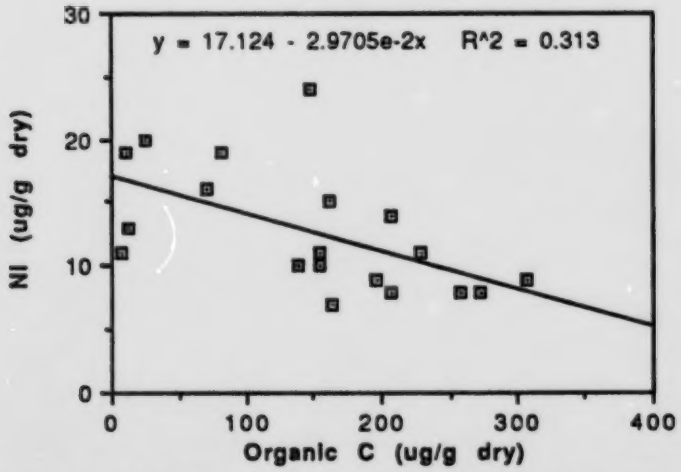

Figure 14: Ni as a function of organic C: southern Cascade Mountains.

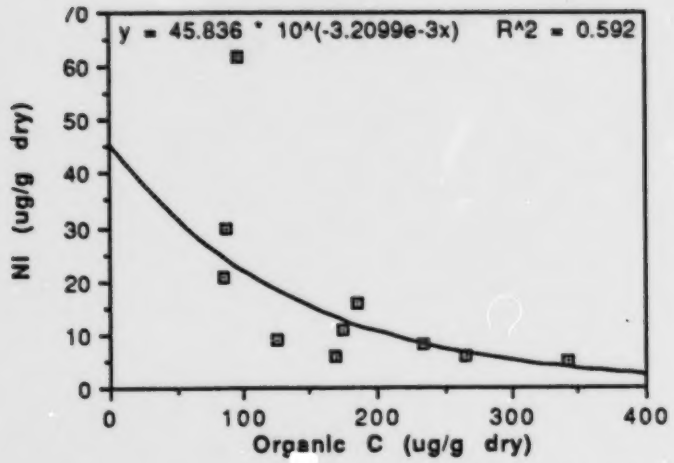

Figure 15: Ni as a function of organic C: northern Insular Belt

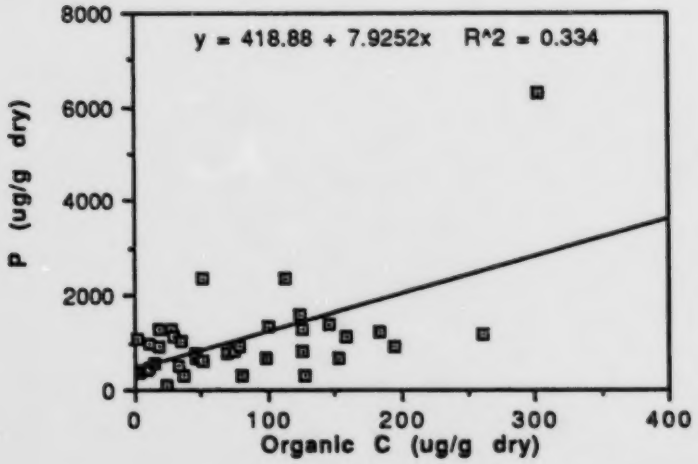

Figure 16: P as a function of organic C: Rocky Mountains.

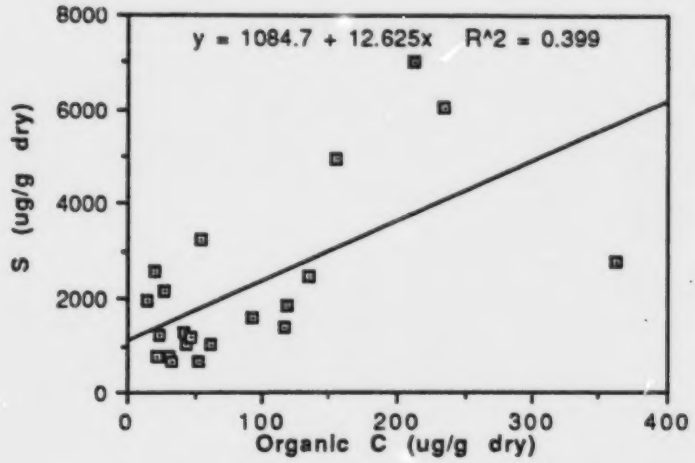

Figure 17: S as a function of organic C: Omineca Plateau.

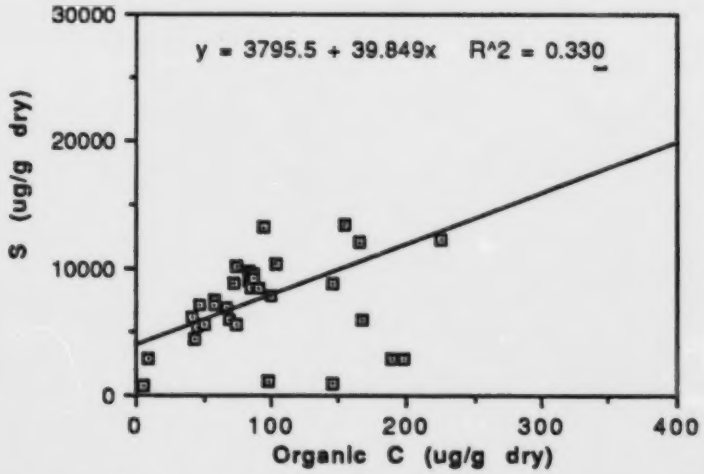

Figure 18: S as a function of organic C: southern Interior Plateau.

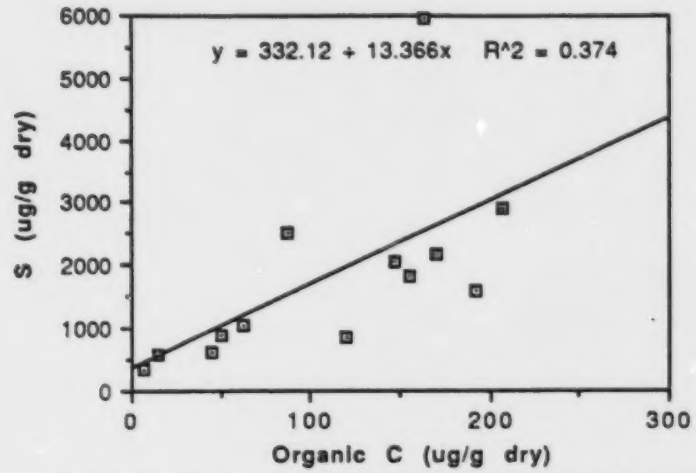

Figure 19: S as a function of organic C: Cascade Mountains.

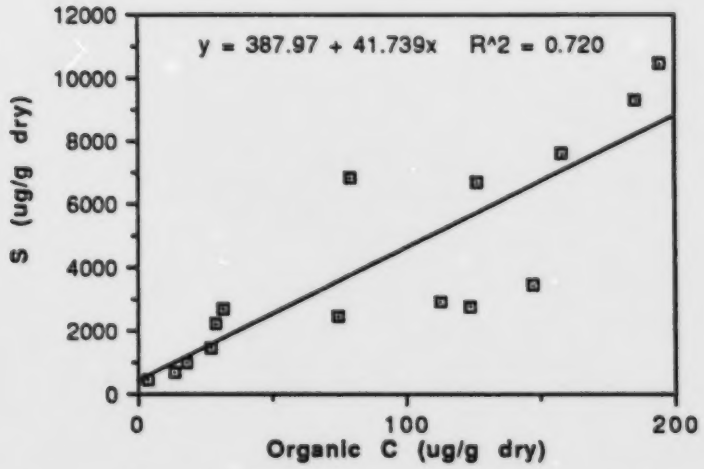

Figure 20: S as a function of organic C: southern Rocky Mountains.

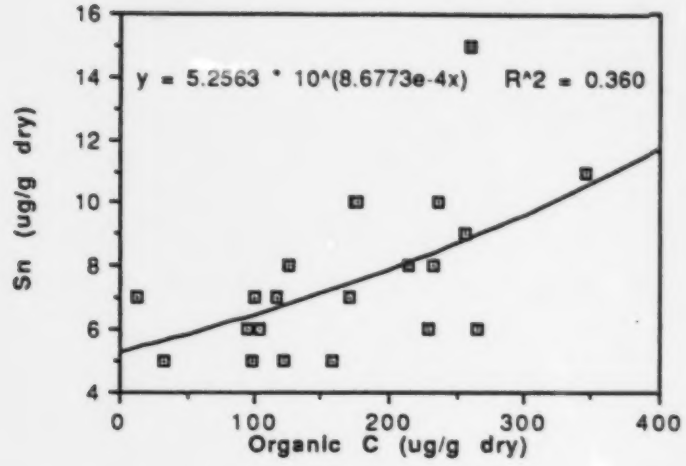

Figure 21: Sn as a function of organic C: Alberta Plateau.

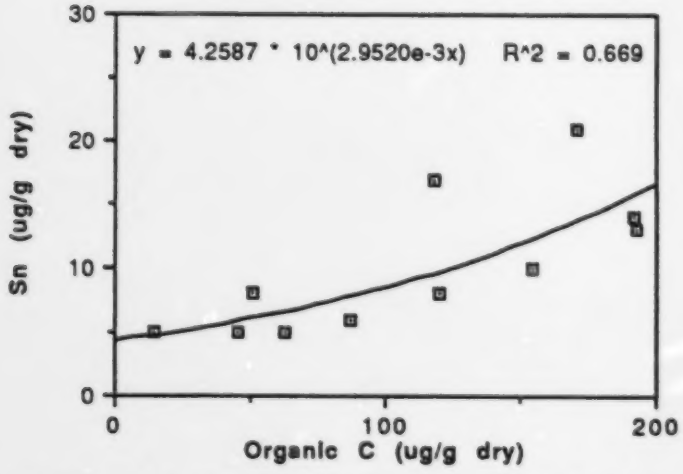

Figure 22: Sn as a function of organic C: northern Cascade Mountains.

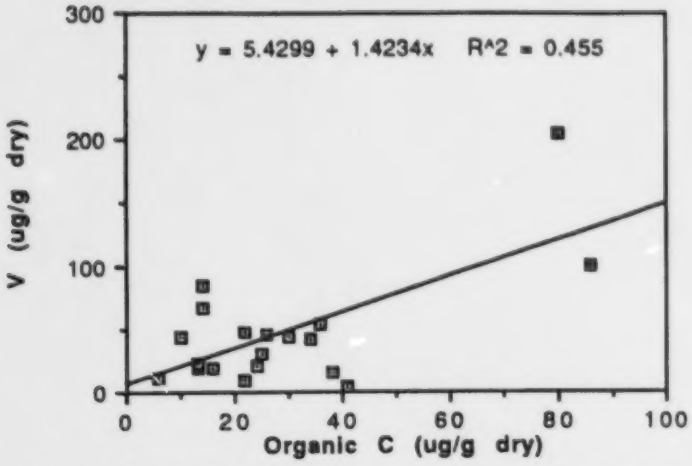

Figure 23: V as a function of organic C: northern Omineca Belt.

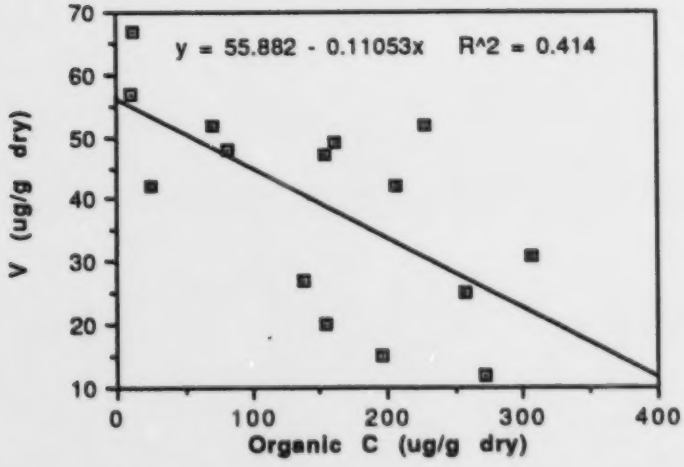

Figure 24: V as a function of organic C: southern Cascade Mountains.

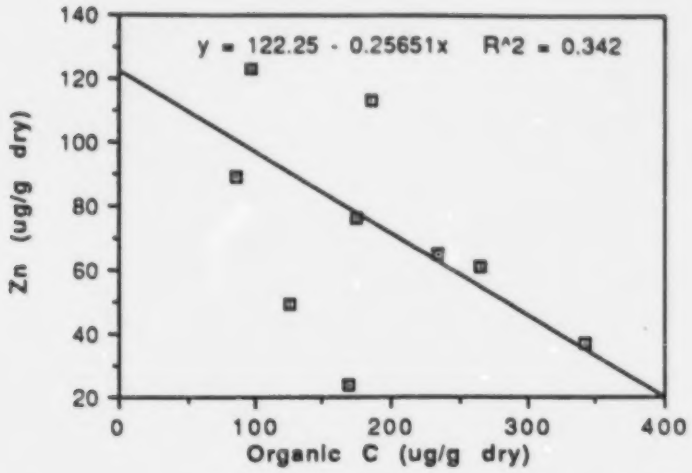

Figure 25: Zn as a function of organic C: northern Insular Belt.

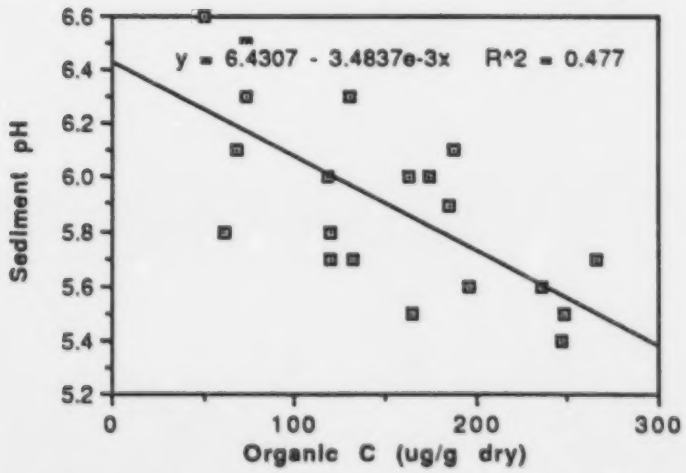

Figure 26: Sediment pH as a function of organic C: Insular Belt.

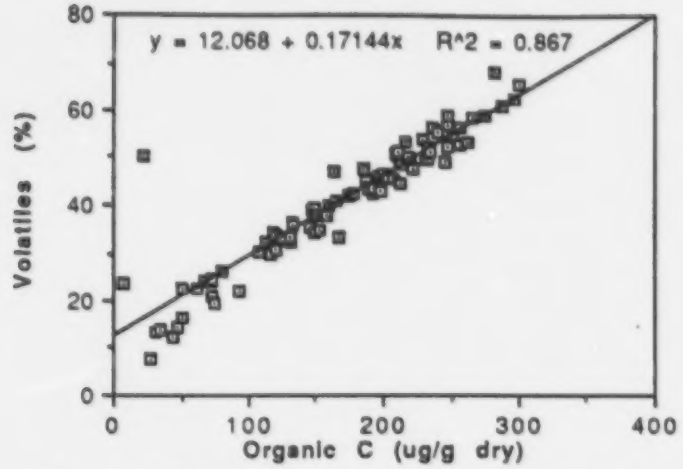

Figure 27: Volatiles as a function of organic C: southern Insular Belt.

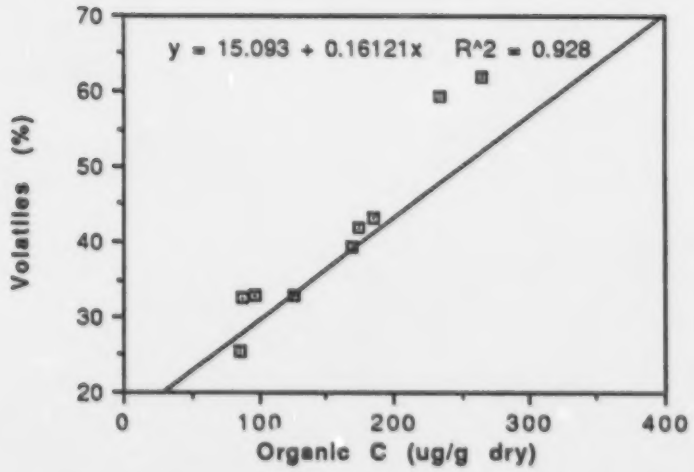

Figure 28: Volatiles as a function of organic C: northern Insular Belt.

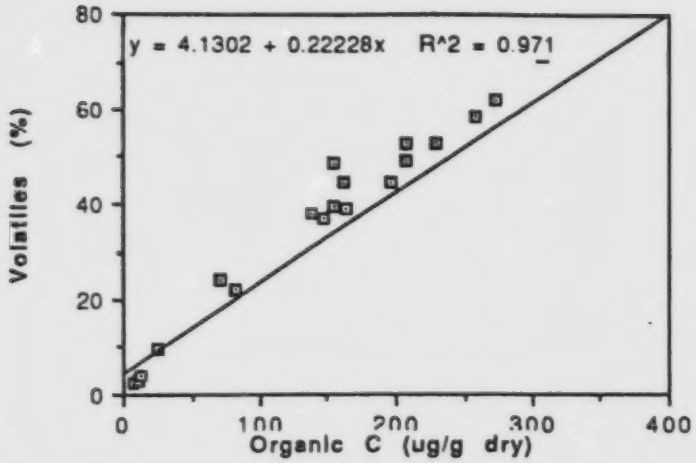

Figure 29: Volatiles as a function of organic C: southern Cascade Mountains.

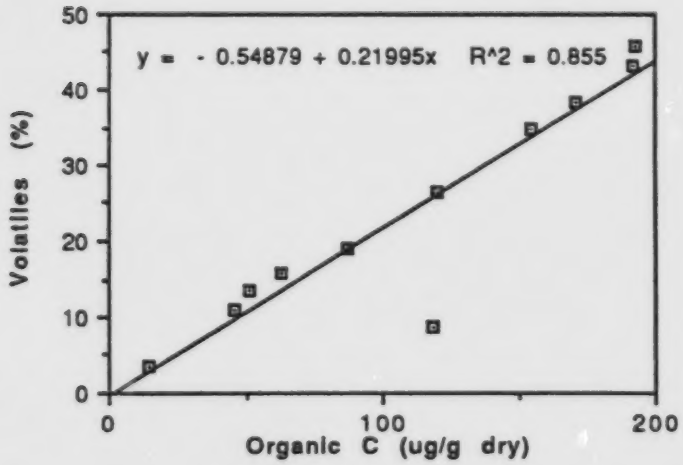

Figure 30: Volatiles as a function of organic C: northern Cascade Mountains.

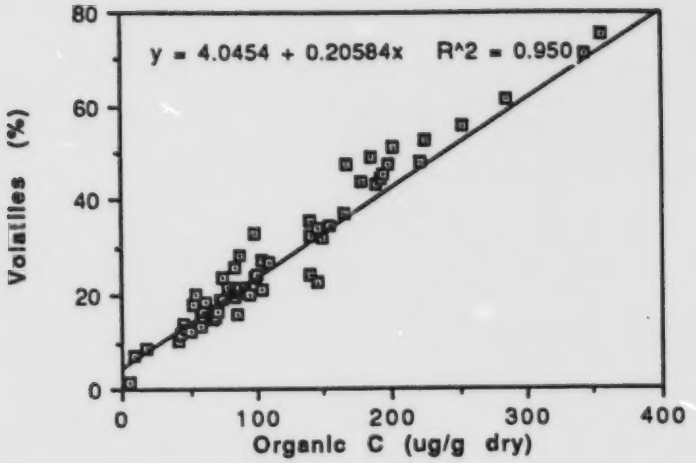

Figure 31: Volatiles as a function of organic C: southern Interior Plateau.

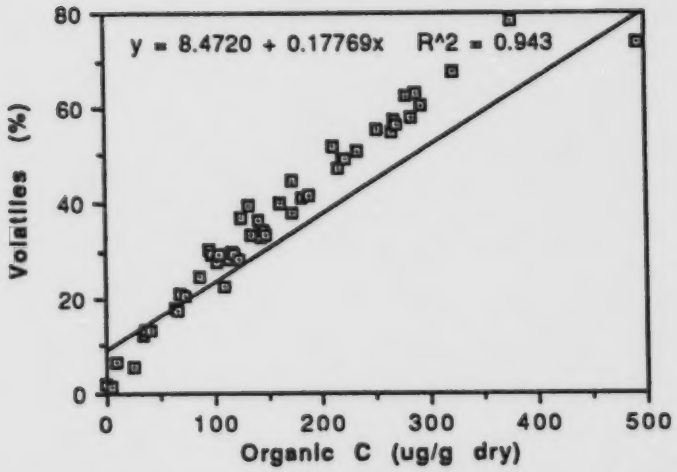

Figure 32: Volatiles as a function of organic C: central Interior Plateau.

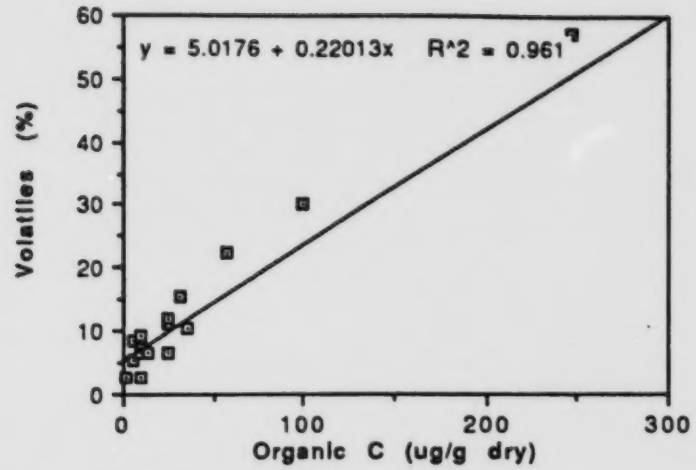

Figure 33: Volatiles as a function of organic C: northern Interior Plateau.

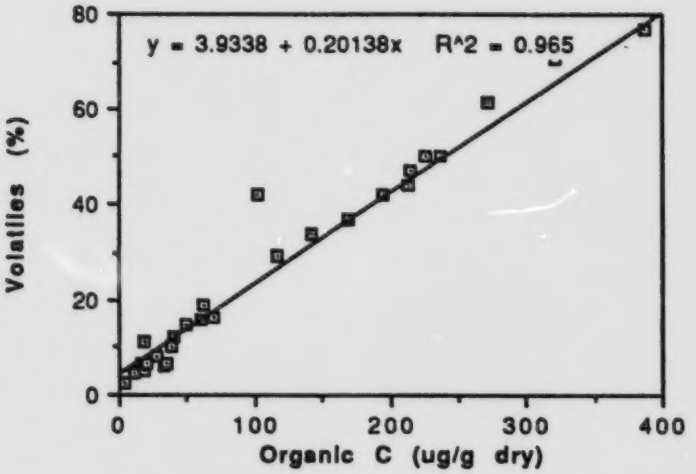

Figure 34: Volatiles as a function of organic C: southern Omineca Belt.

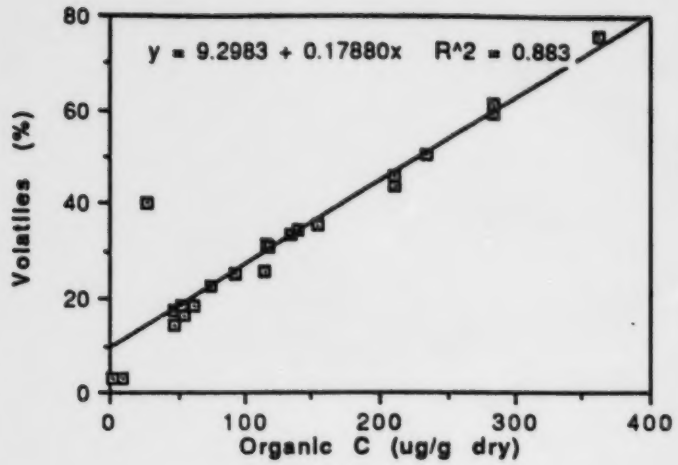

Figure 35: Volatiles as a function of organic C: central Omineca Belt.

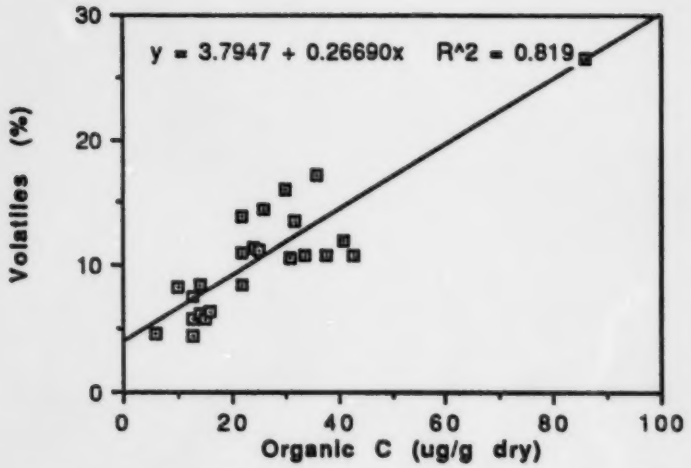

Figure 36: Volatiles as a function of organic C: northern Omineca Belt.

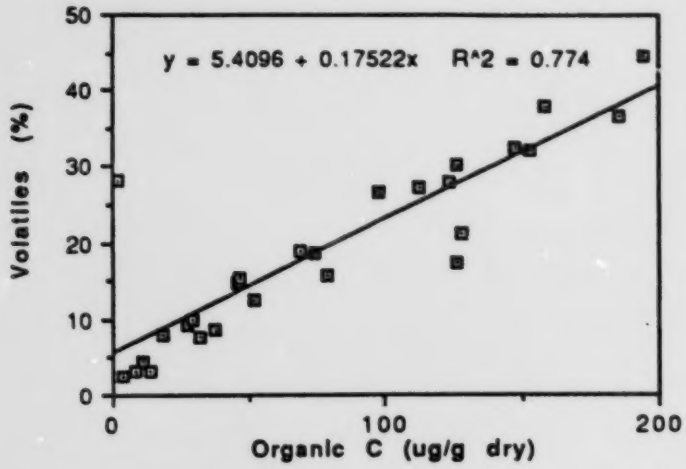

Figure 37: Volatiles as a function of organic C: southern Rocky Mountains.

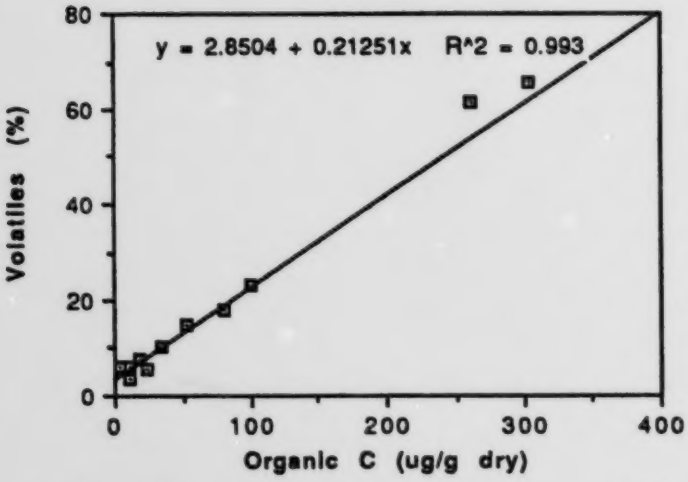

Figure 38: Volatiles as a function of organic C: northen Rocky Mountains.

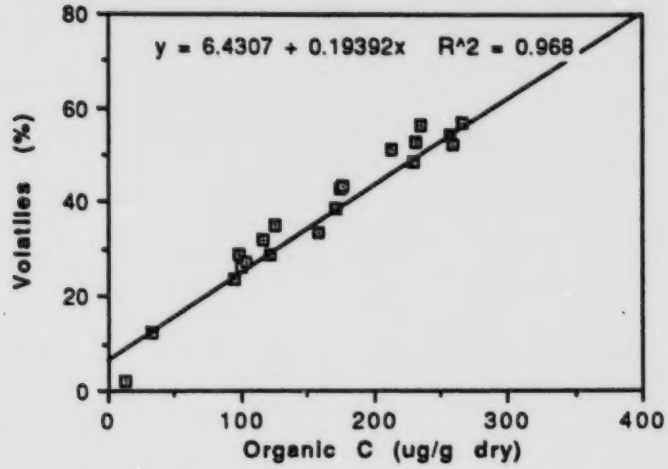

Figure 39: Volatiles as a function of organic C: Alberta Plateau.

APPENDIX 8

Graphical Representation of Regression Analyses
With Sulfur Concentration as the Independent Variable.

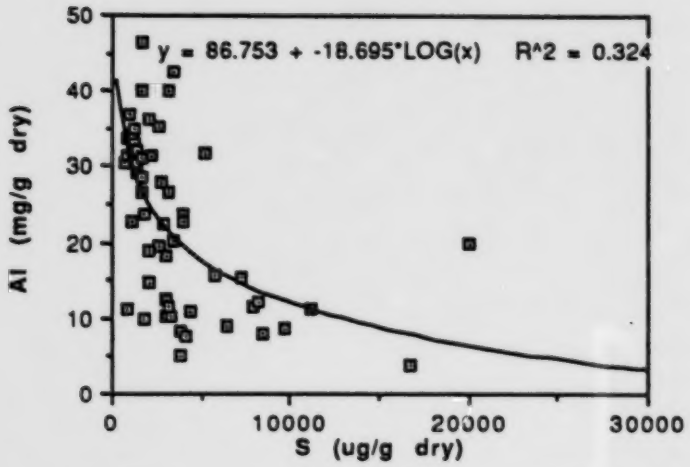

Figure 1: Al as a function of S: southern Insular Belt.

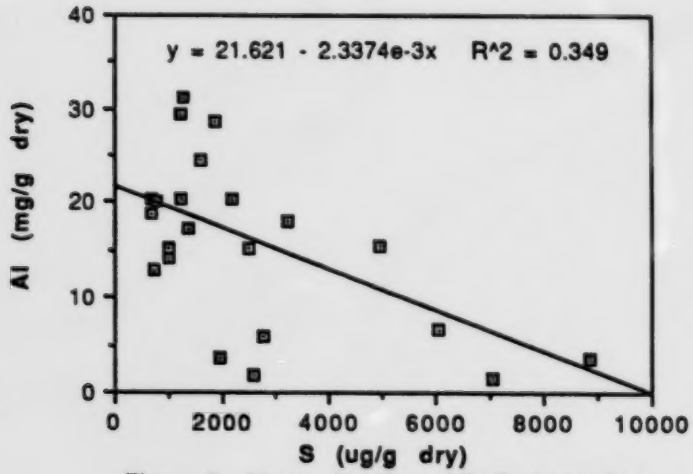

Figure 2: Al as a function of S: Omineca Belt.

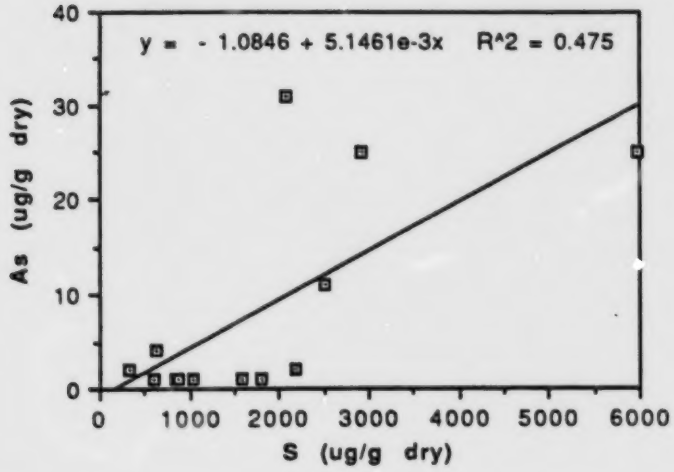

Figure 3: As as a function of S: Cascade Mountains.

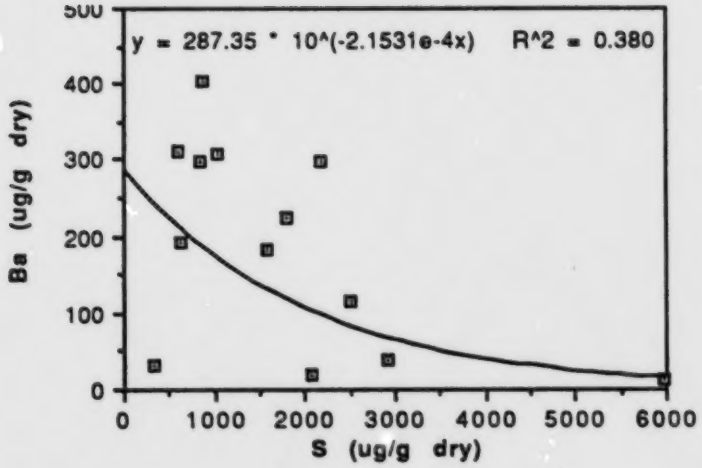

Figure 4: Ba as a function of S: Cascade Mountains.

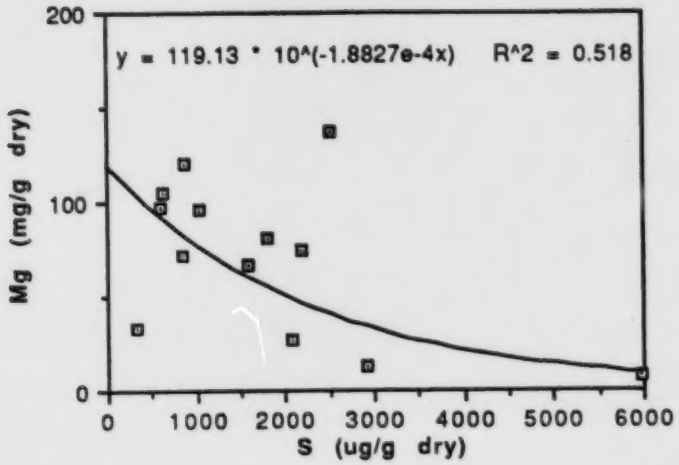

Figure 5: Mg as a function of S: Cascade Mountains.

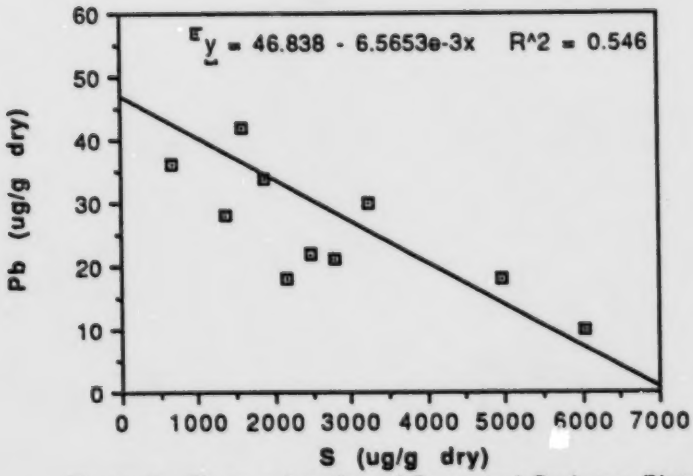

Figure 6: Pb as a function of S: central Omineca Plateau.

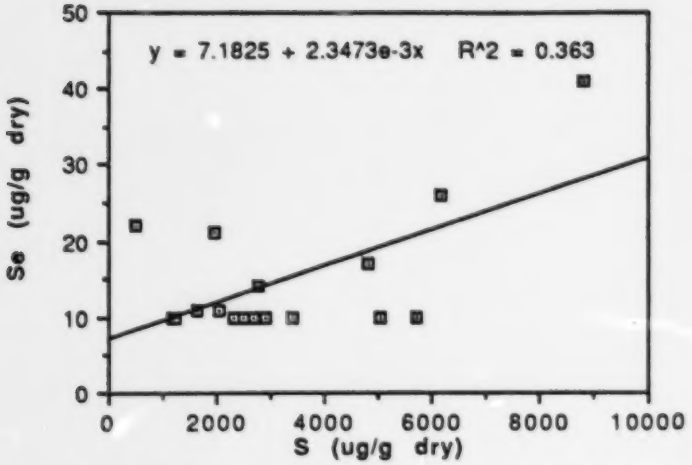

Figure 7: Se as a function of S: central Interior Plateau.

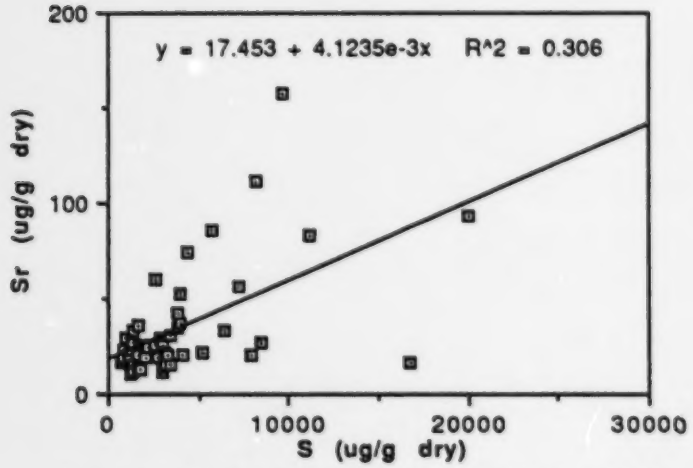

Figure 8: Sr as a function of S: southern Insular Belt.

APPENDIX 9

Graphical Representation of Regression Analyses
With Iron Concentration as theIndependent Variable.

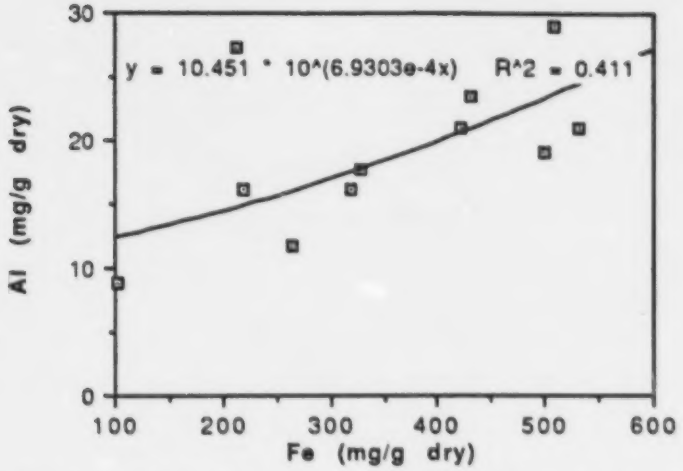

Figure 1: Al as a function of Fe: northern Cascade Mountains.

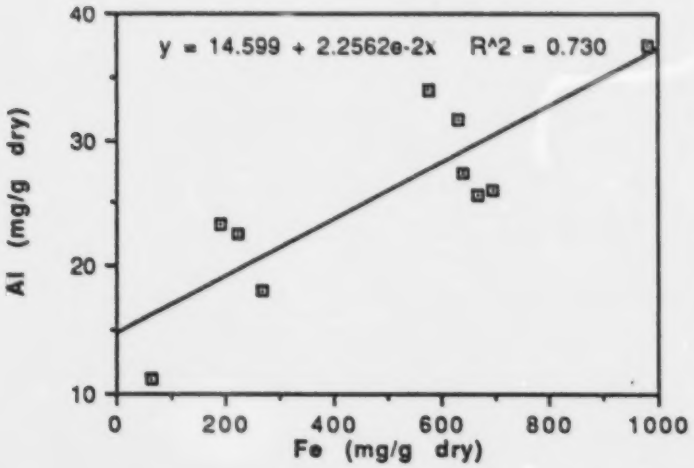

Figure 2: Al as a function of Fe: northern Insular Belt.

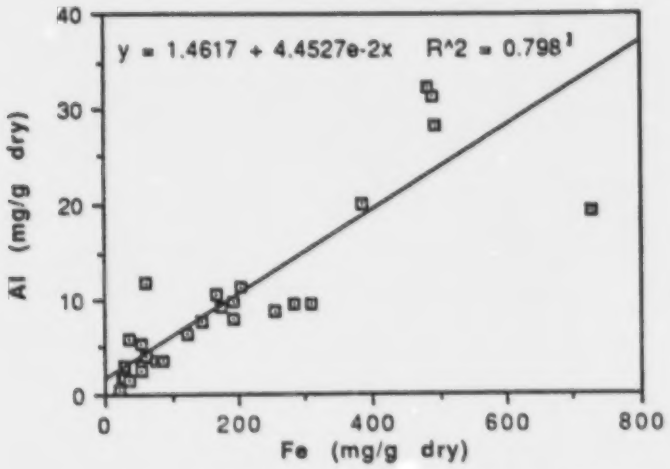

Figure 3: Al as a function of Fe: southern Omineca Belt.

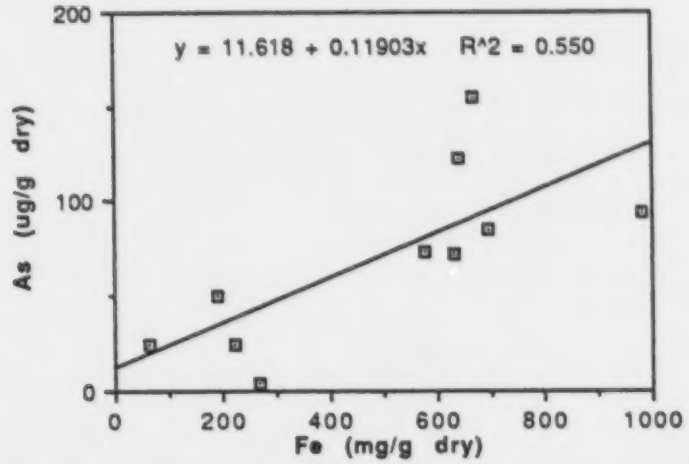

Figure 4: As as a function of Fe: northern Insular Belt.

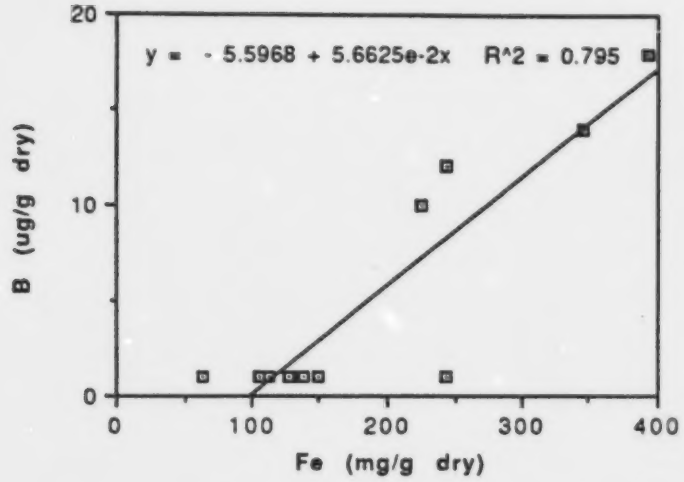

Figure 5: B as a function of Fe: southern Rocky Mountains.

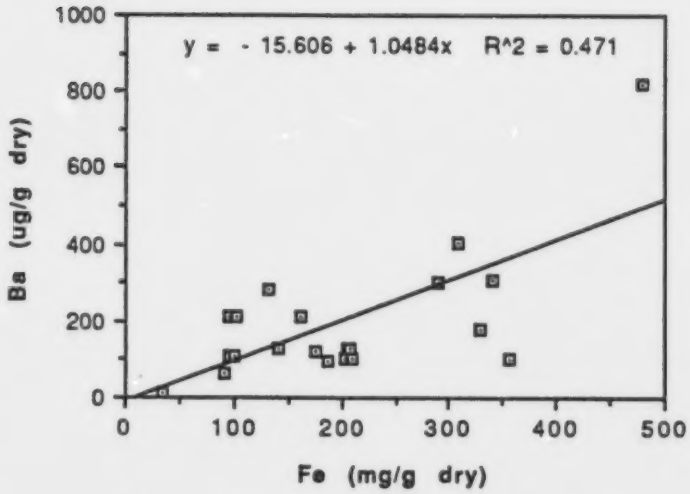

Figure 6: Ba as a function of Fe: Alberta Plateau.

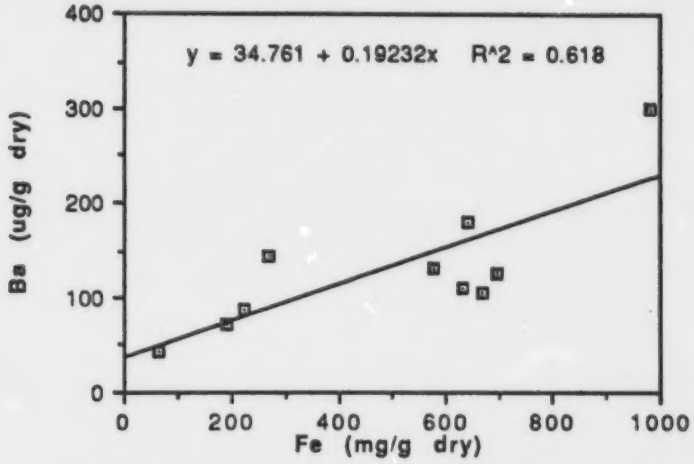

Figure 7: Ba as a function of Fe: northern Insular Belt.

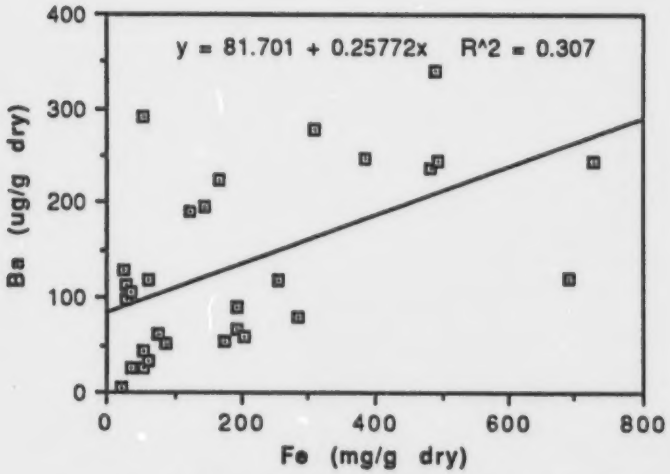

Figure 8: Ba as a function of Fe: southern Omineca Belt.

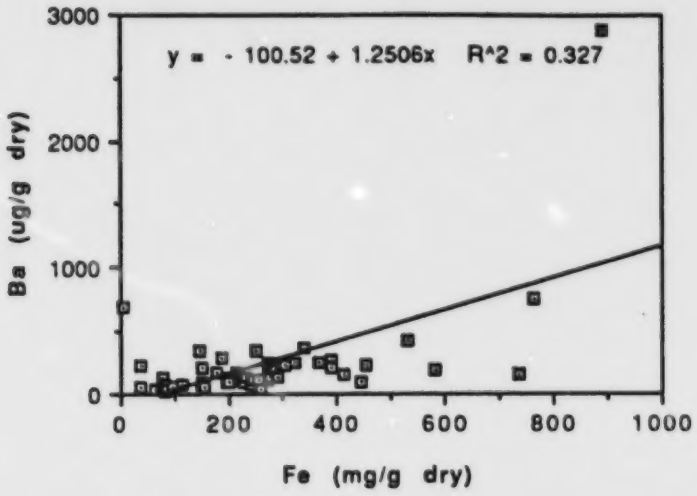

Figure 9: Ba as a function of Fe: central Interior Plateau.

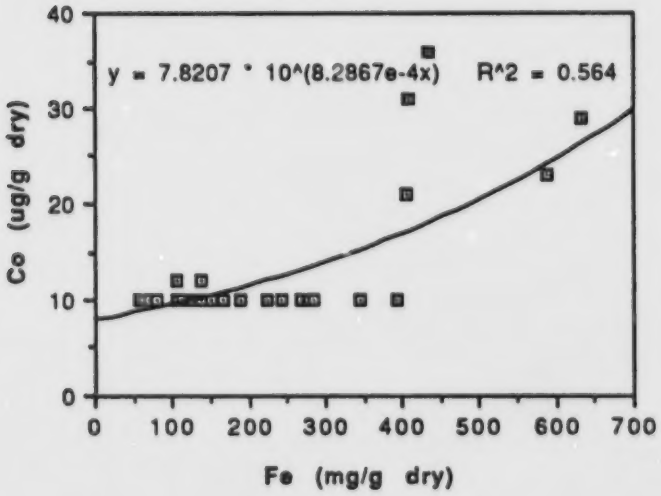

Figure 10: Co as a function of Fe: southern Rocky Mountains.

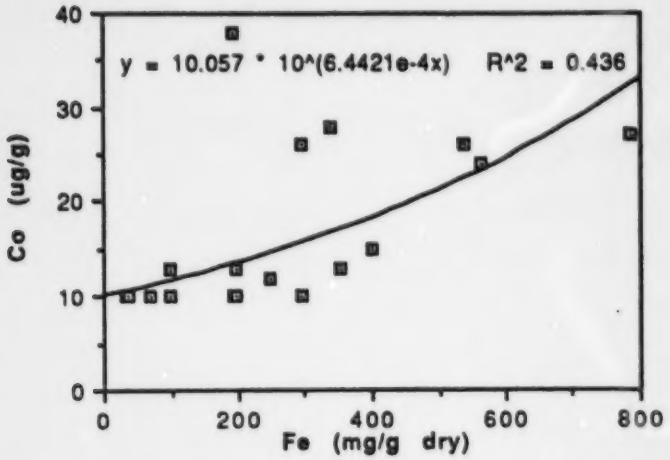

Figure 11: Co as a function of Fe: southern Cascade Mountains.

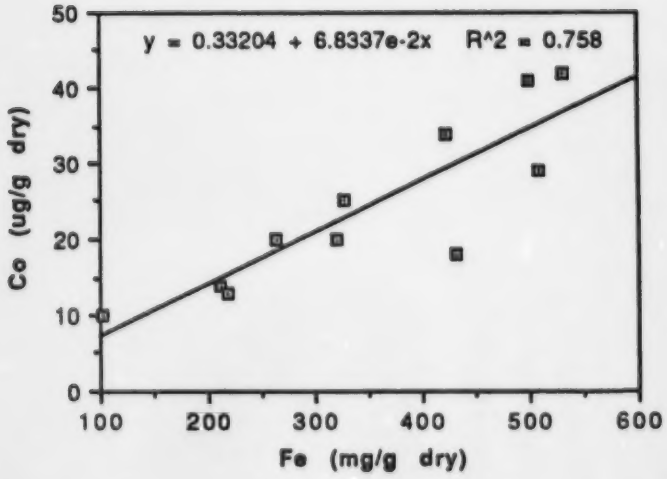

Figure 12: Co as a function of Fe: northern Cascade Mountains.

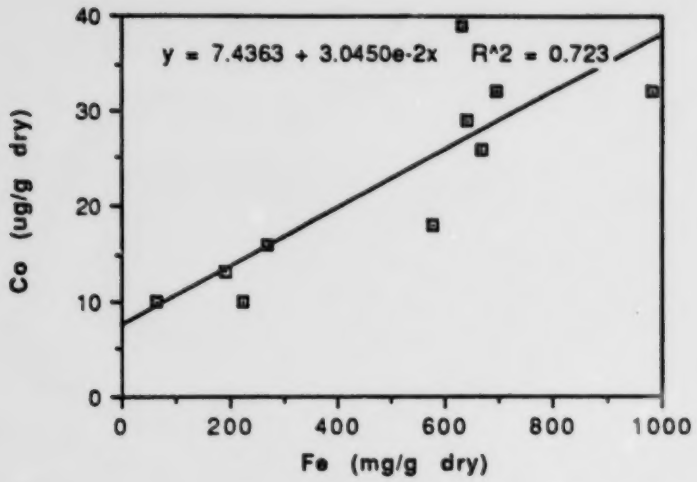

Figure 13: Co as a function of Fe: northern Insular Belt.

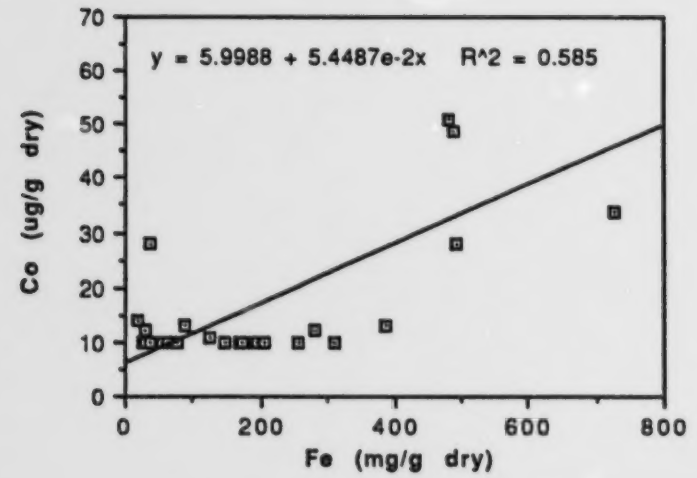

Figure 14: Co as a function of Fe: southern Omineca Belt.

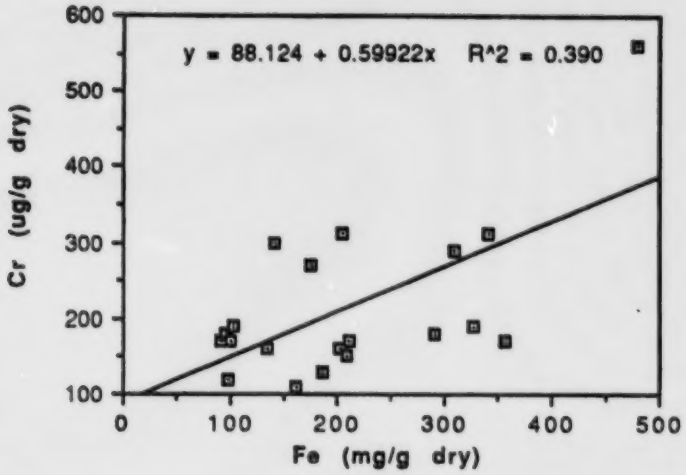

Figure 15: Cr as a function of Fe: Alberta Plateau.

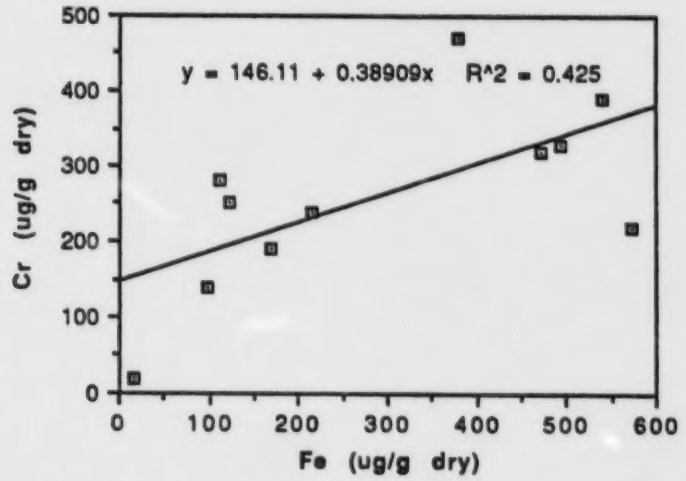

Figure 16: Cr as a function of Fe: northern Rocky Mountains.

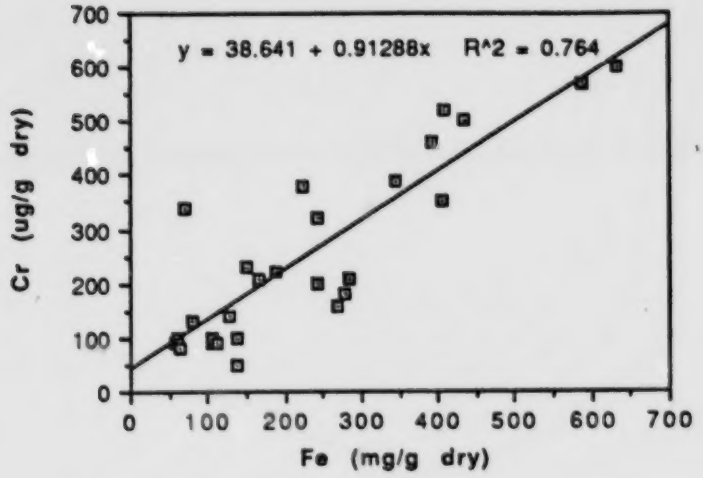

Figure 17: Cr as a function of Fe: southern Rocky Mountains.

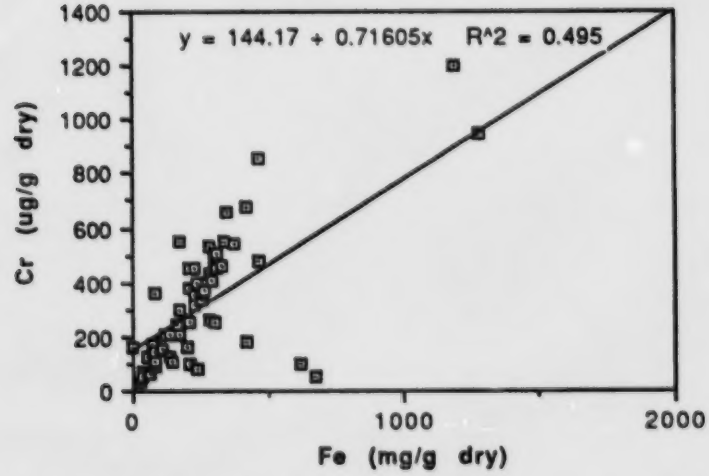

Figure 18: Cr as a function of Fe: southern Interior Plateau.

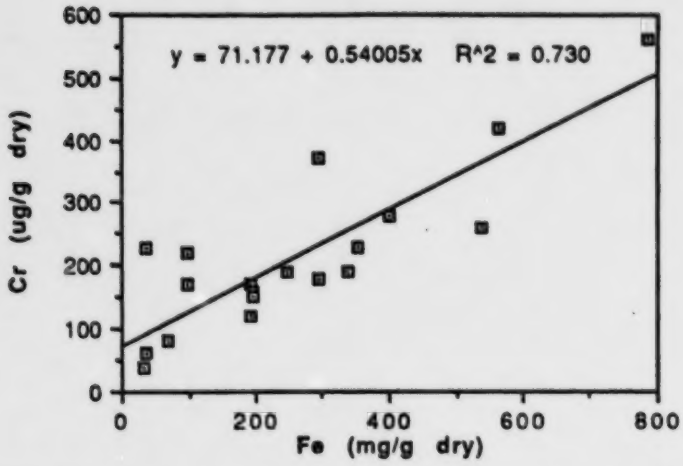

Figure 19: Cr as a function of Fe: southern Cascade Mountains.

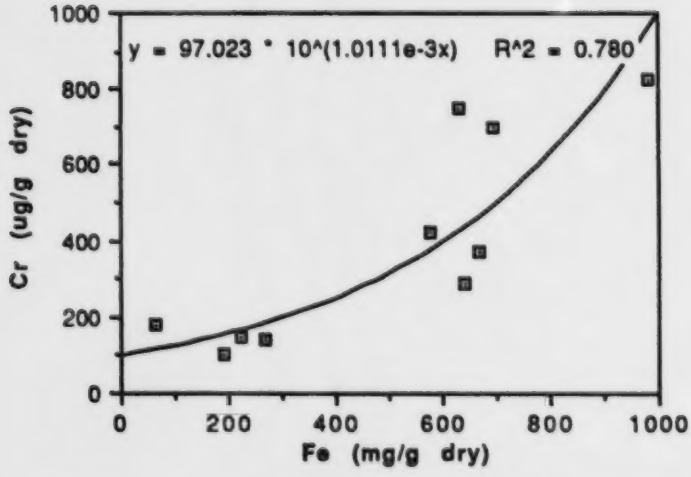

Figure 20: Cr as a function of Fe: northern Insular Belt.

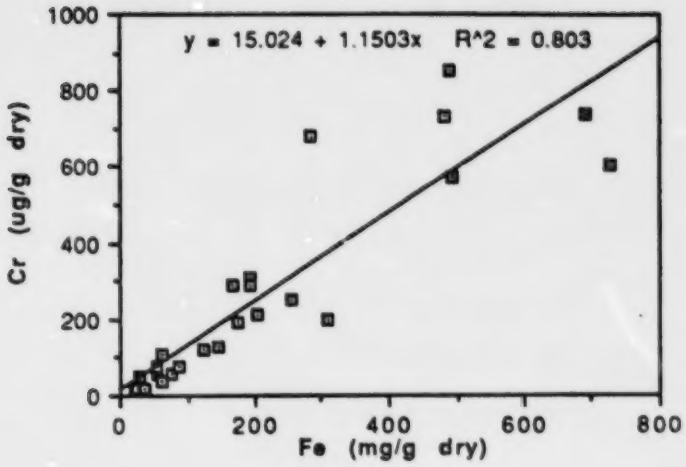

Figure 21: Cr as a function of Fe: southern Omineca Belt.

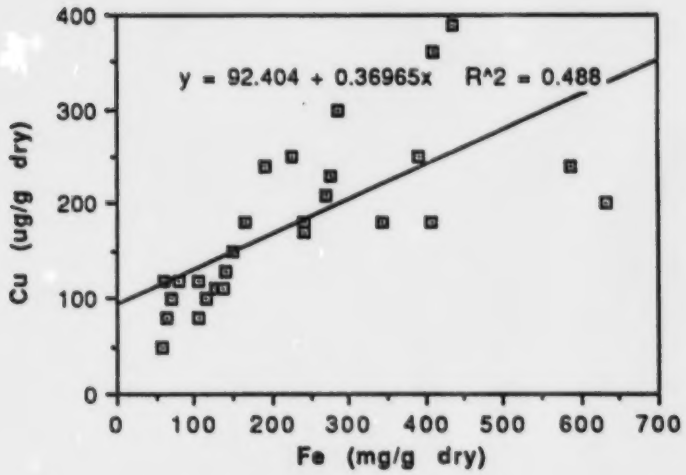

Figure 22: Cu as a function of Fe: southern Rocky Mountains.

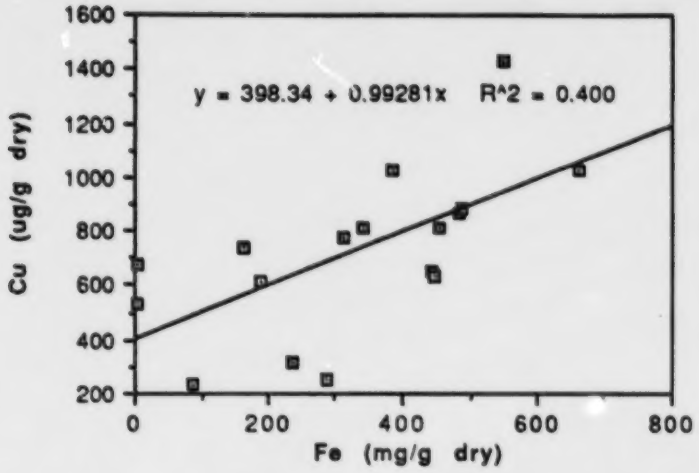

Figure 23: Cu as a function of Fe: northern Interior Plateau.

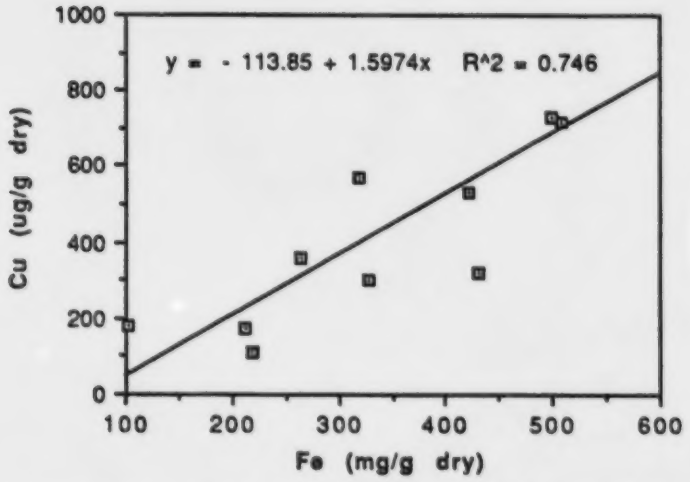

Figure 24: Cu as a function of Fe: northern Cascade Mountains.

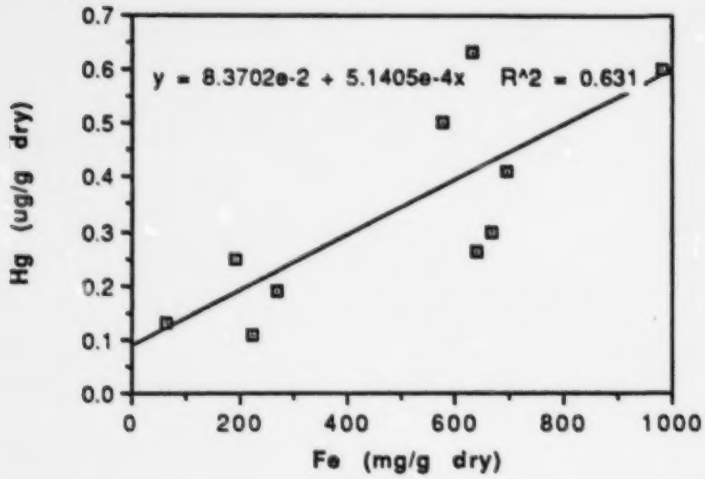

Figure 25: Hg as a function of Fe: northern Insular Belt.

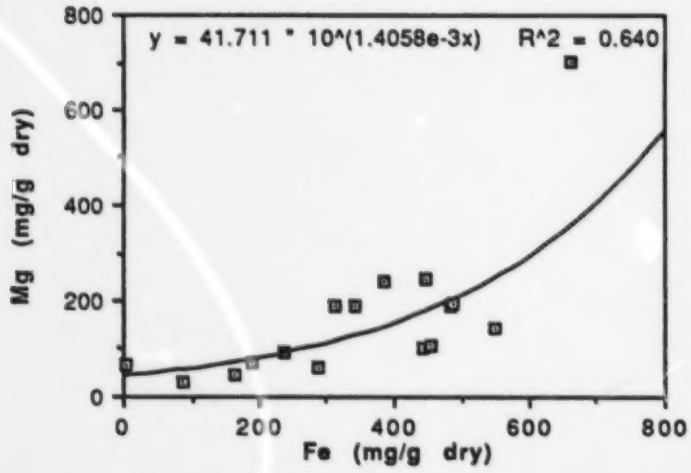

Figure 26: Mg as a function of Fe: northern Interior Plateau.

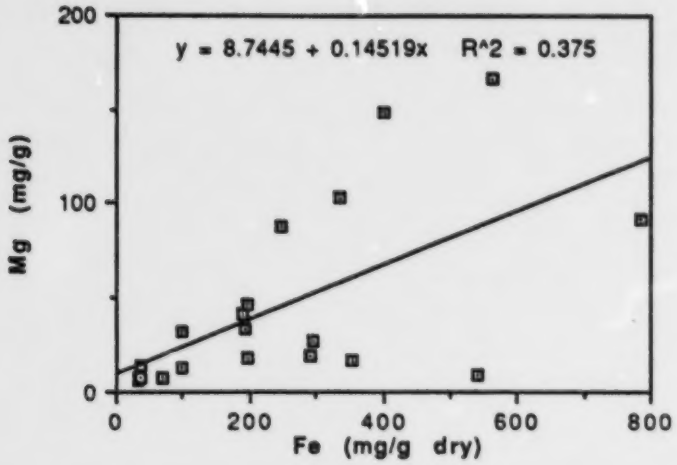

Figure 27: Mg as a function of Fe: southern Cascade Mountains.

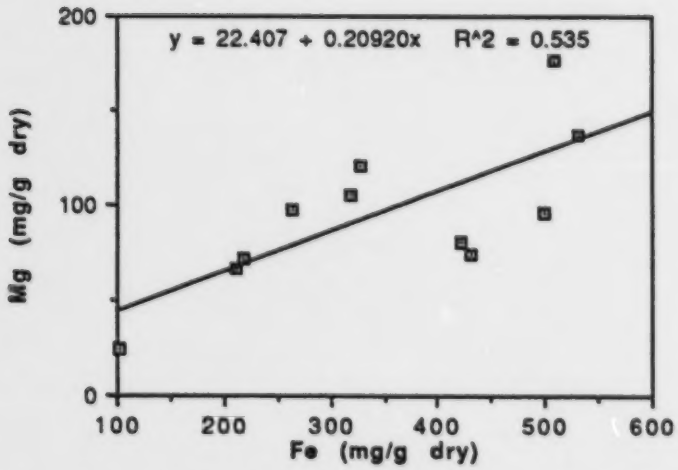

Figure 28: Mg as a function of Fe: northern Cascade Mountains.

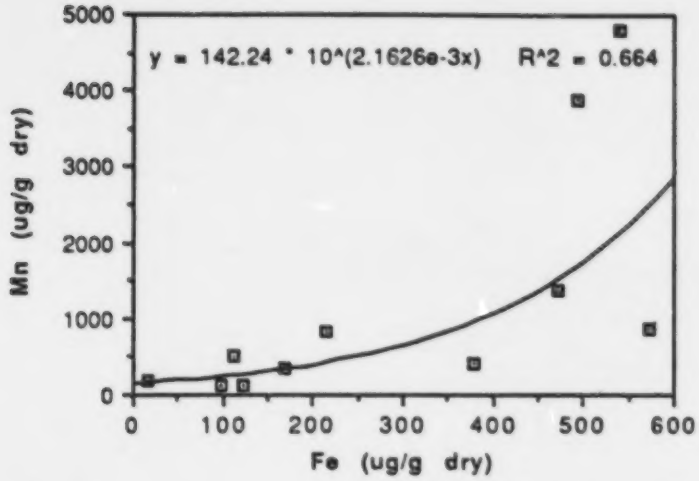

Figure 29: Mn as a function of Fe: northern Rocky Mountains.

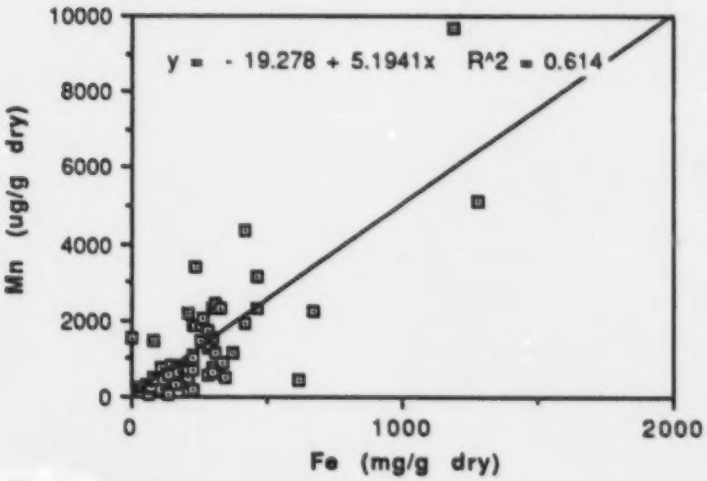

Figure 30: Mn as a function of Fe: southern Interior Plateau.

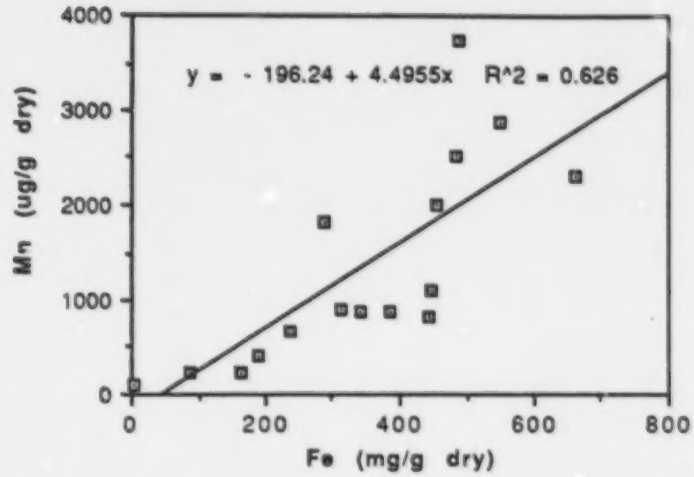

Figure 31: Mn as a function of Fe: northern Interior Plateau.

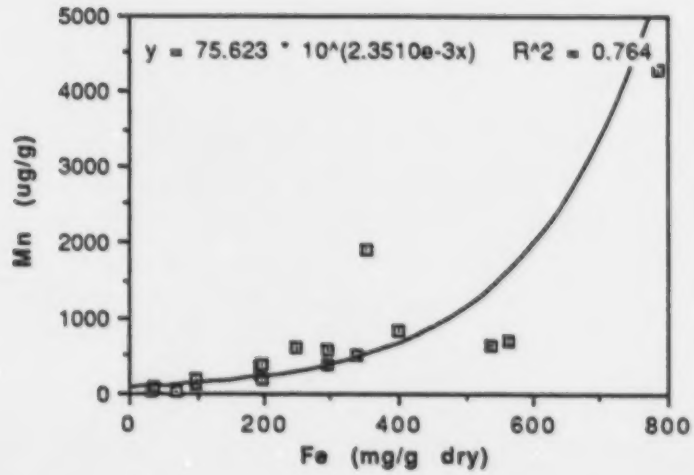

Figure 32: Mn as a function of Fe: southern Cascade Mountains.

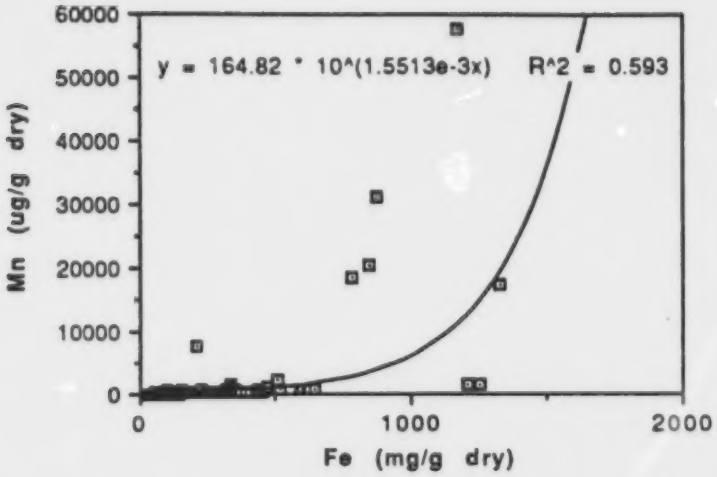

Figure 33: Mn as a function of Fe: southern Insular Belt.

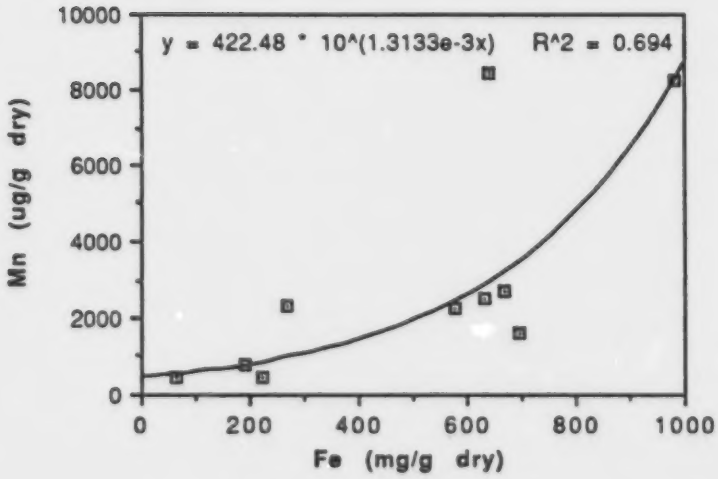

Figure 34: Mn as a function of Fe: northern Insular Belt.

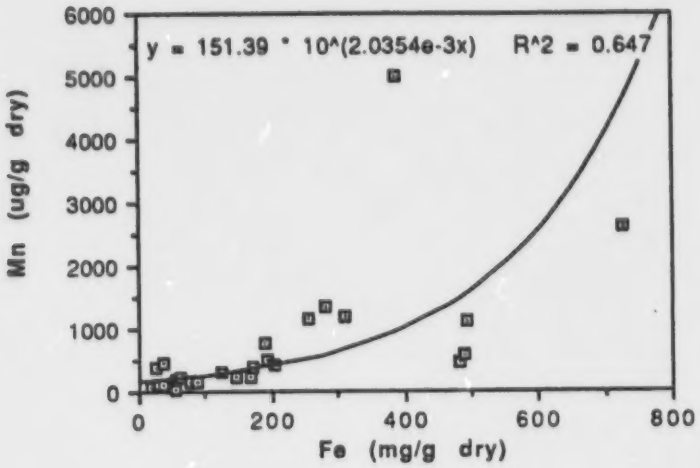

Figure 35: Mn as a function of Fe: southern Omineca Belt.

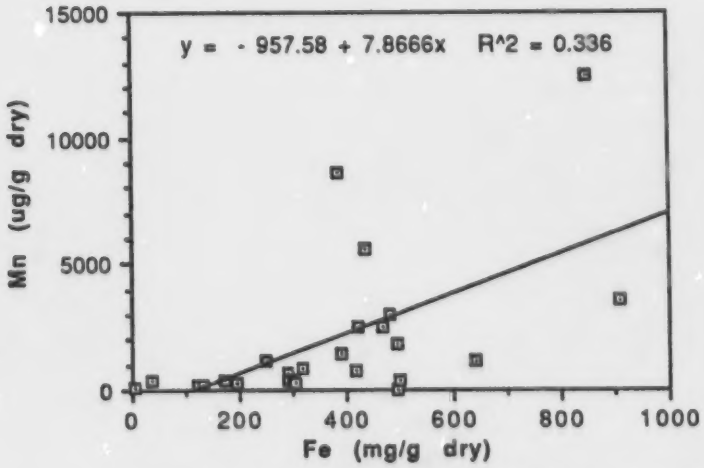

Figure 36: Mn as a function of Fe: northern Omineca Belt.

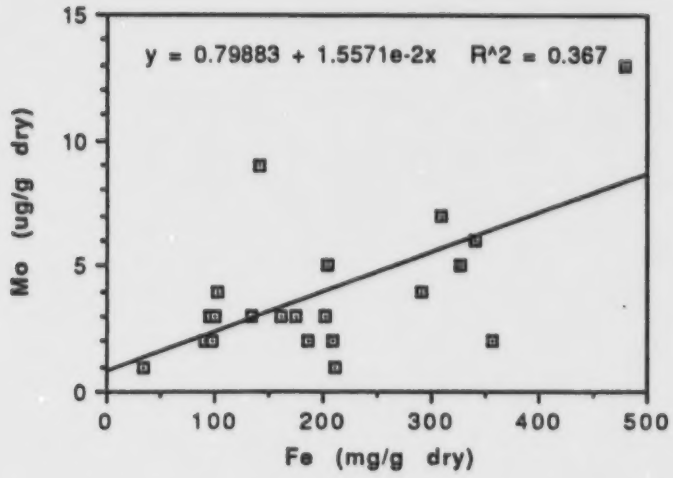

Figure 37: Mo as a function of Fe: Alberta Plateau.

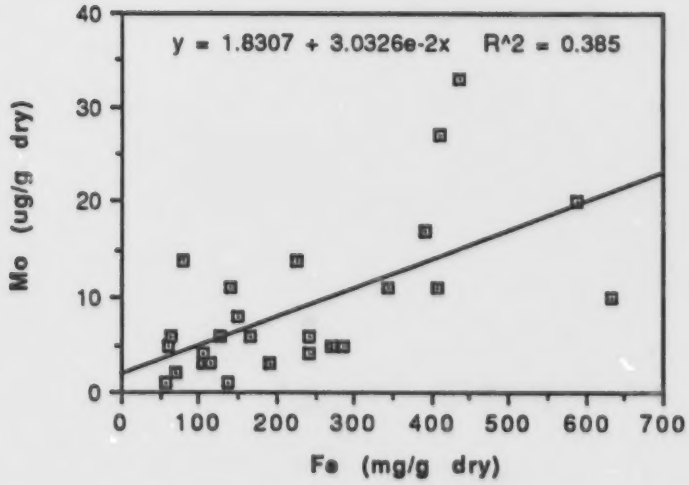

Figure 38: Mo as a function of Fe: southern Rocky Mountains.

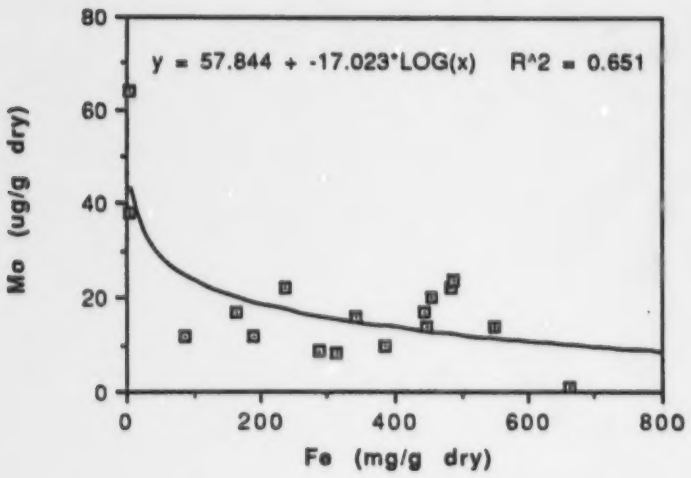

Figure 39: Mo as a function of Fe: northern Interior Plateau.

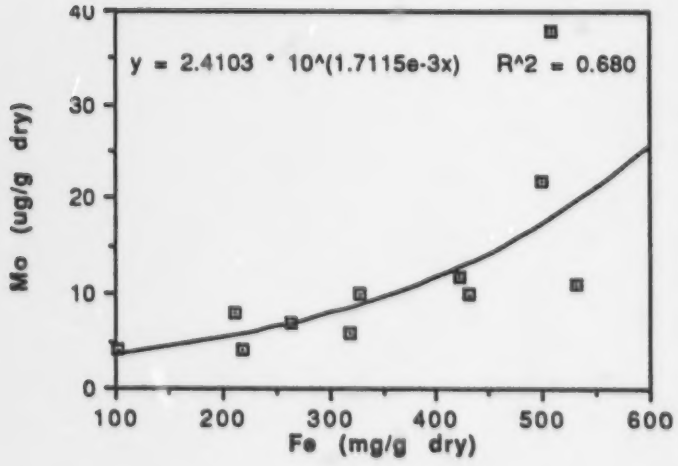

Figure 40: Mo as a function of Fe: northern Cascade Mountains.

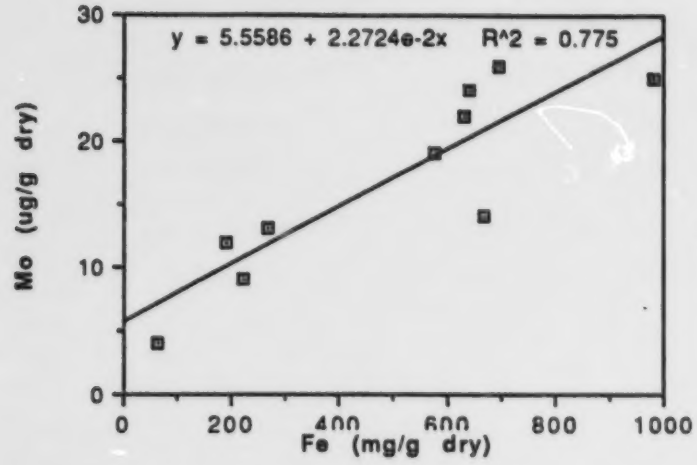

Figure 41: Mo as a function of Fe: northern Insular Belt.

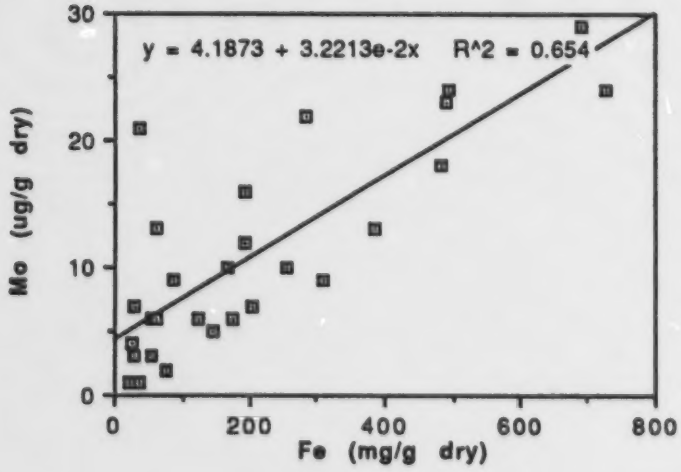

Figure 42: Mo as a function of Fe: southern Omineca Belt.

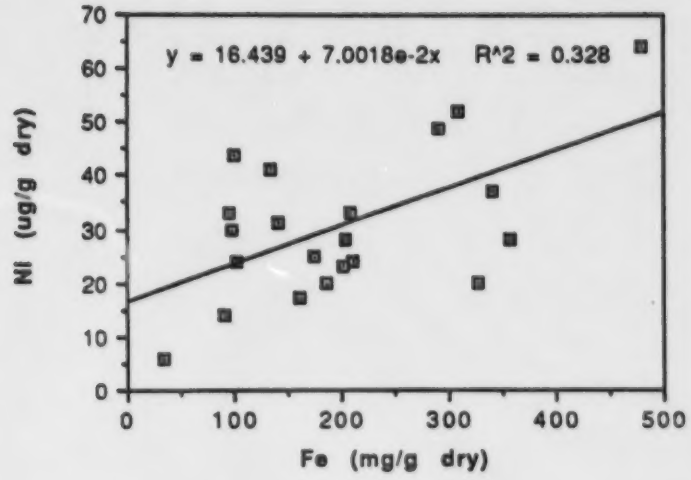

Figure 43: Ni as a function of Fe: Alberta Plateau.

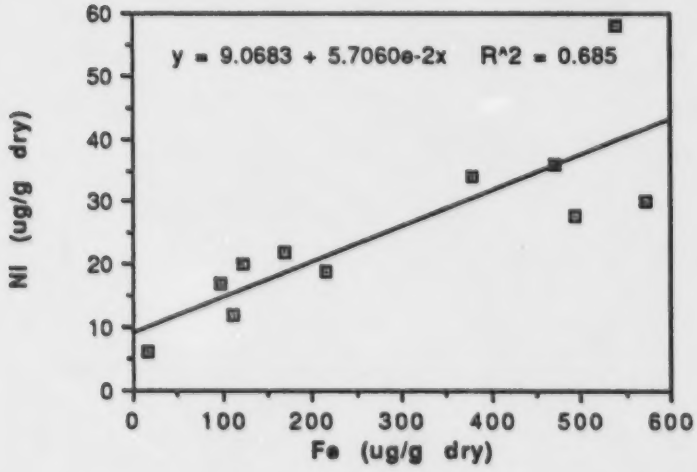

Figure 44: Ni as a function of Fe: northern Rocky Mountains.

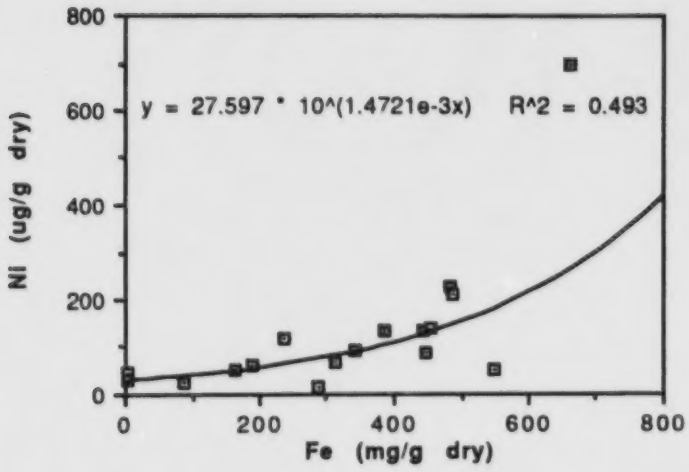

Figure 45: Ni as a function of Fe: northern Interior Plateau.

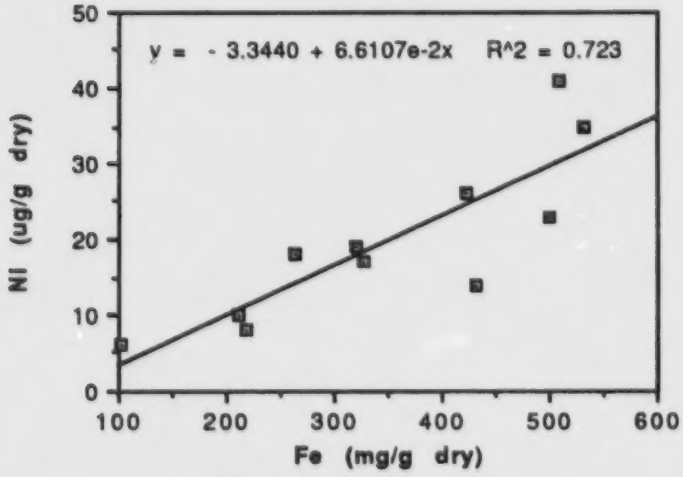

Figure 46: Ni as a function of Fe: northern Cascade Mountains.

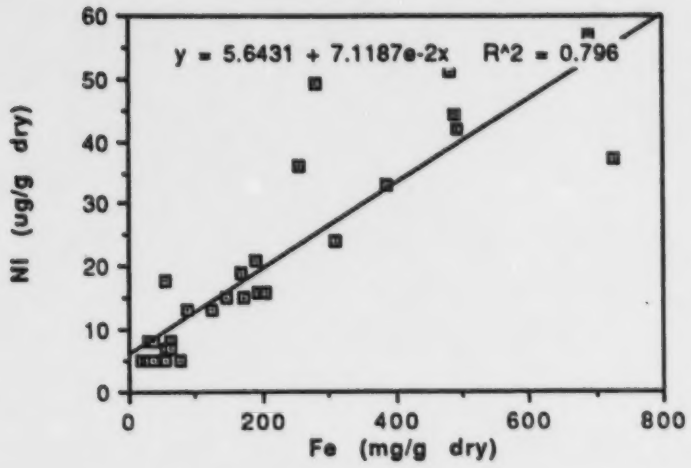

Figure 47: Ni as a function of Fe: southern Omineca Belt.

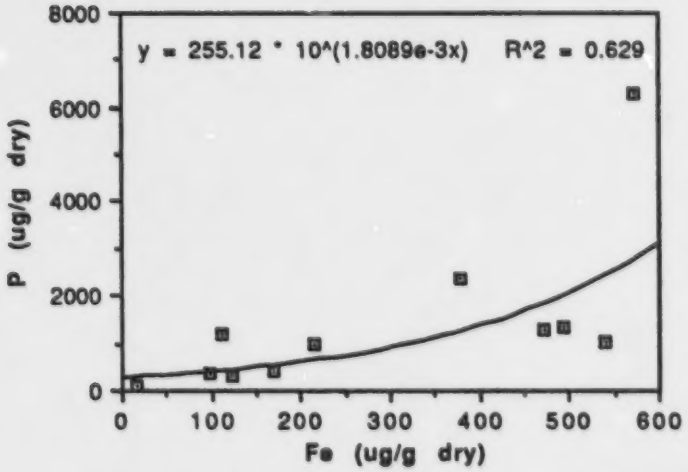

Figure 48: P as a function of Fe: northern Rocky Mountains.

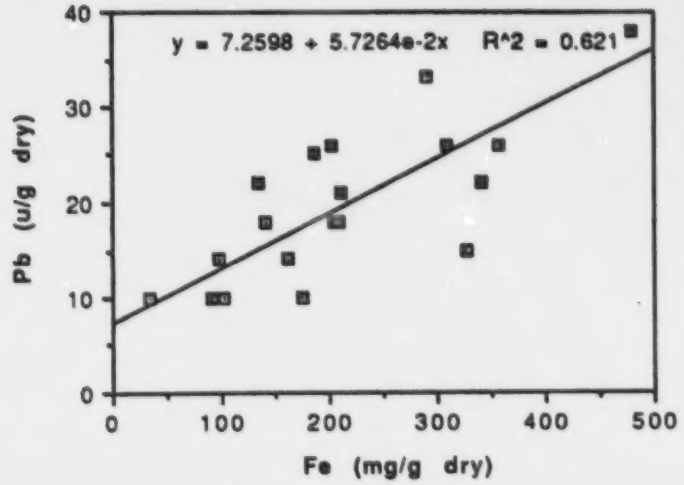

Figure 49: Pb as a function of Fe: Alberta Plateau.

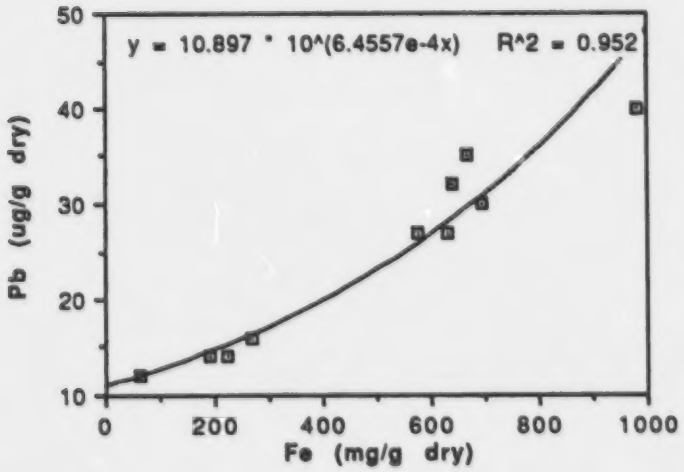

Figure 50: Pb as a function of Fe: northern Insular Belt.

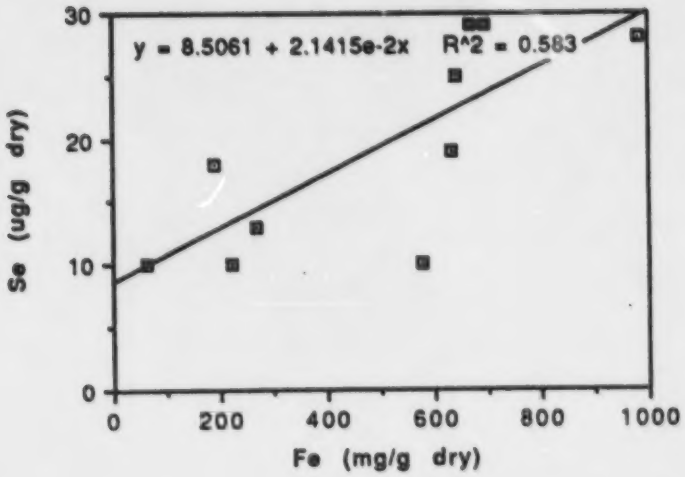

Figure 51: Se as a function of Fe: northern Insular Belt.

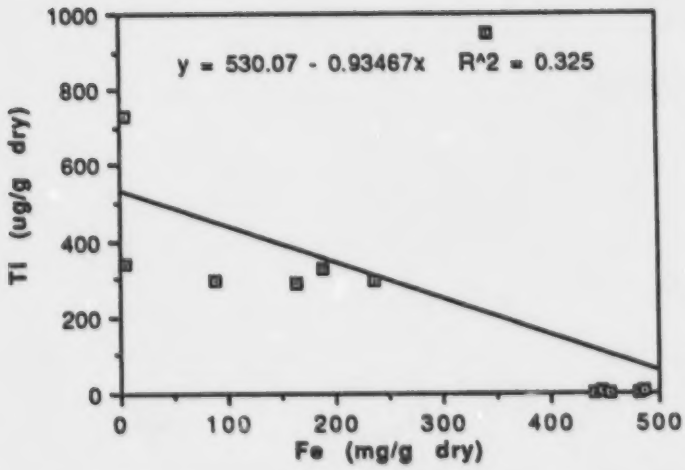

Figure 52: Ti as a function of Fe: northern Interior Plateau.

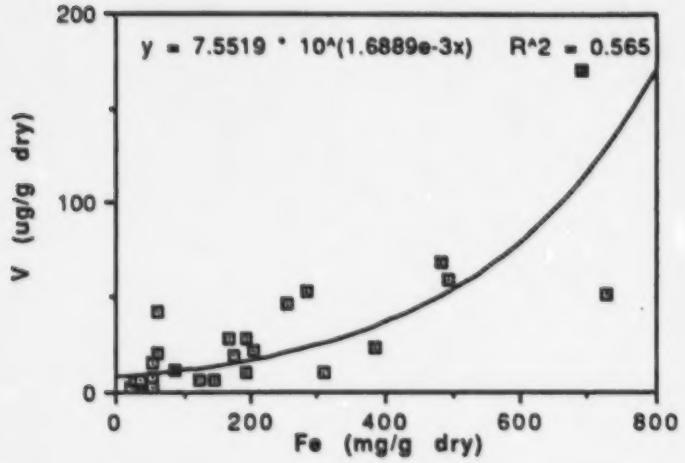

Figure 53: V as a function of Fe: southern Omineca Belt.

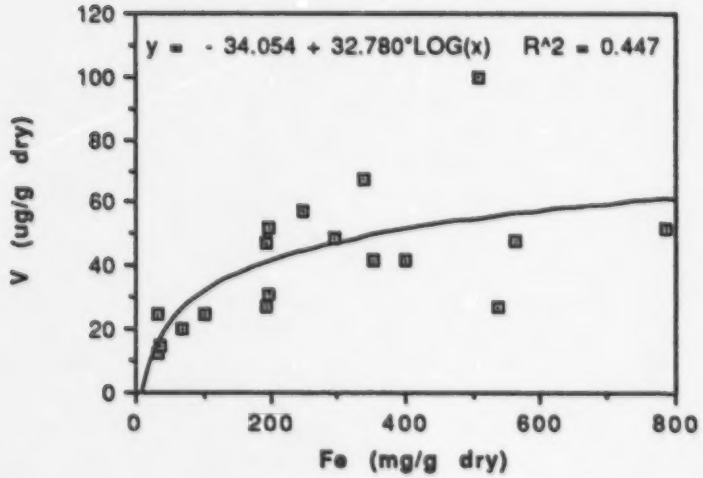

Figure 54: V as a function of Fe: Cascade Mountains.

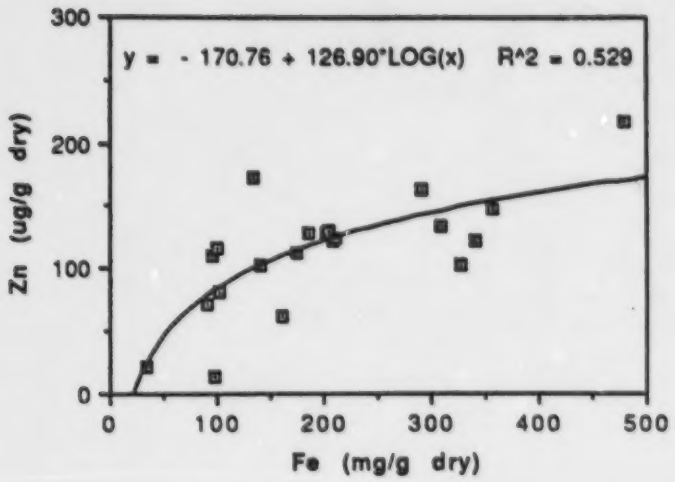

Figure 55: Zn as a function of Fe: Alberta Plateau.

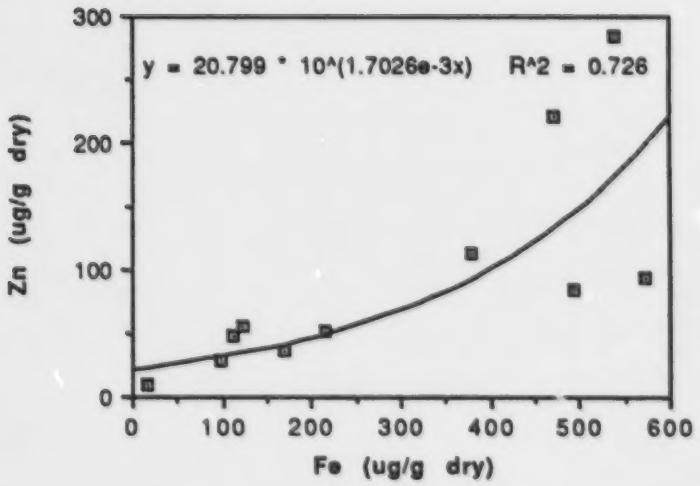

Figure 56: Zn as a function of Fe: northern Rocky Mountains.

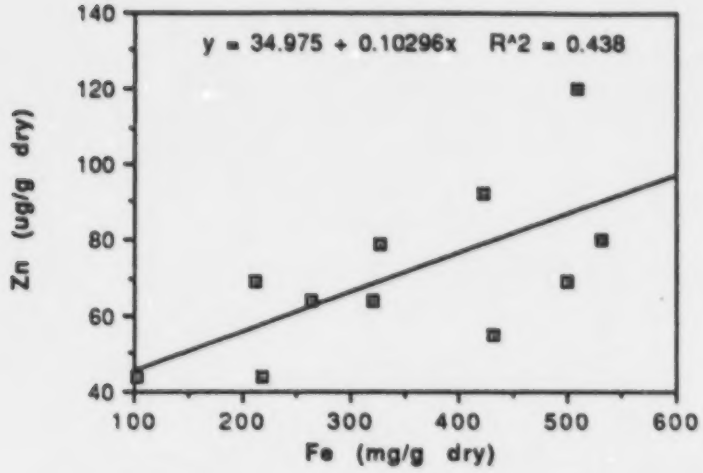

Figure 57: Zn as a function of Fe: northern Cascade Mountains.

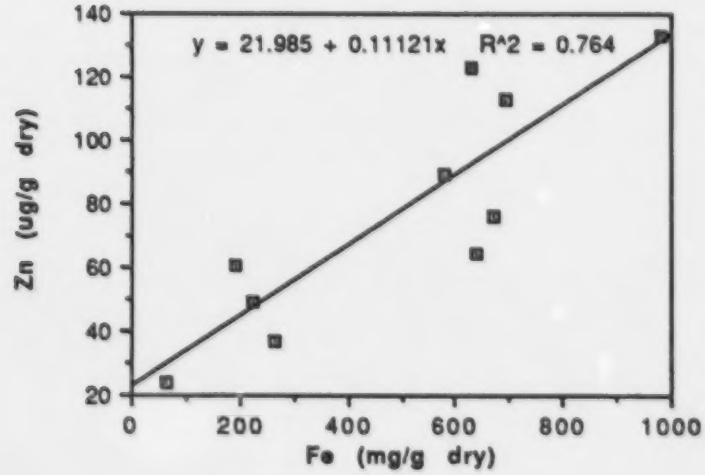

Figure 58: Zn as a function of Fe: northern Insular Belt.

APPENDIX 10

Graphical Representation of Regression Analyses
With Manganese Concentration as the Independent Variable.

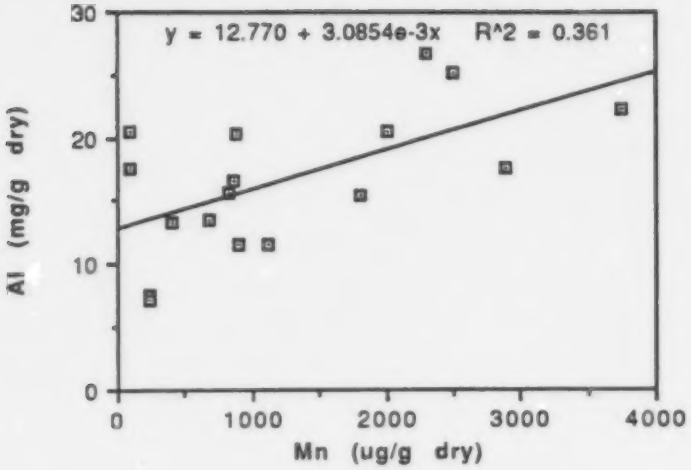

Figure 1: Al as a function of Mn: northern Interior Plateau.

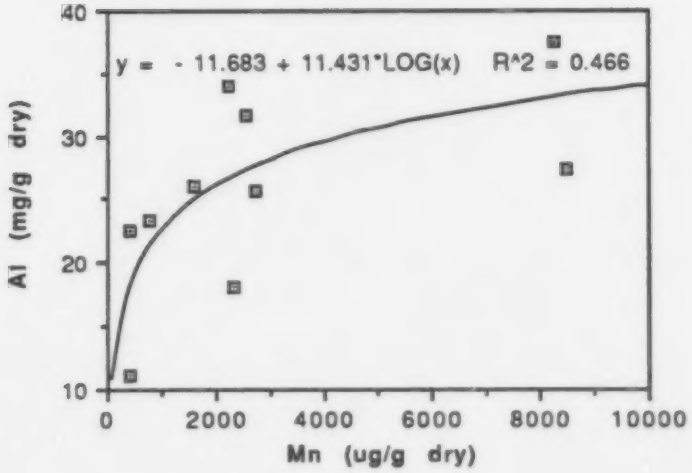

Figure 2: Al as a function of Mn: northern Insular Belt.

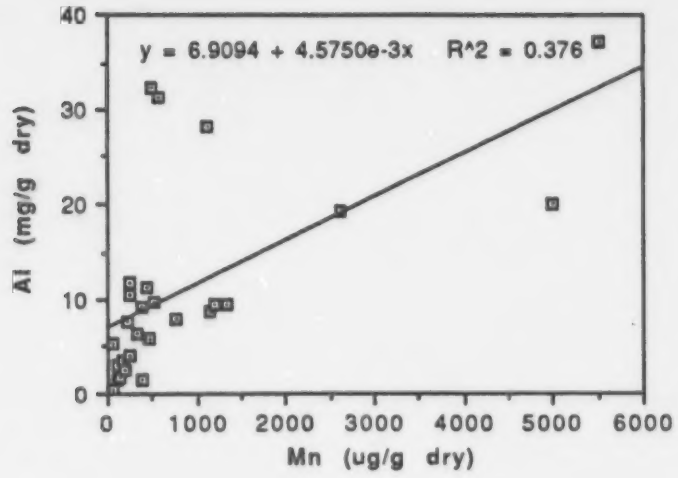

Figure 3: Al as a function of Mn: southern Omineca Belt.

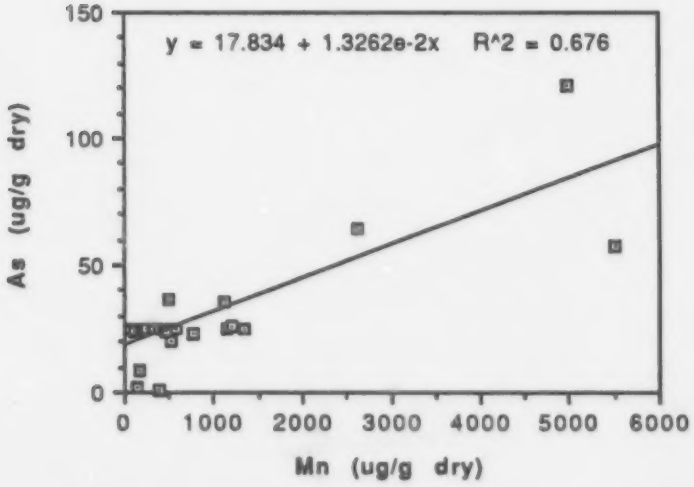

Figure 4: As as a function of Mn: southern Omineca Belt.

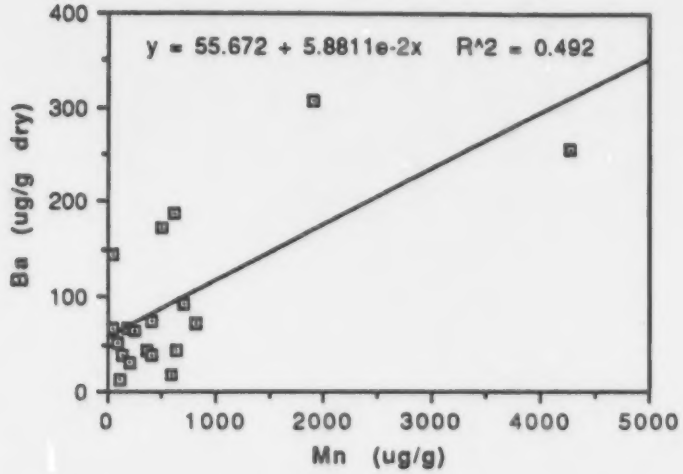

Figure 5: Ba as a function of Mn: southern Cascade Mountains.

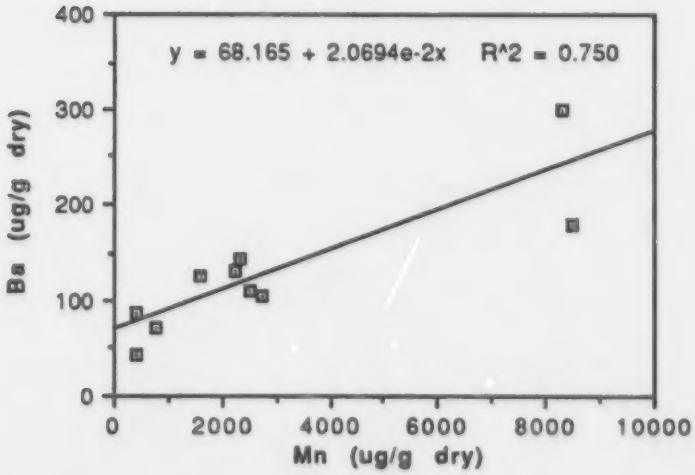

Figure 6: Ba as a function of Mn: northern Insular Belt.

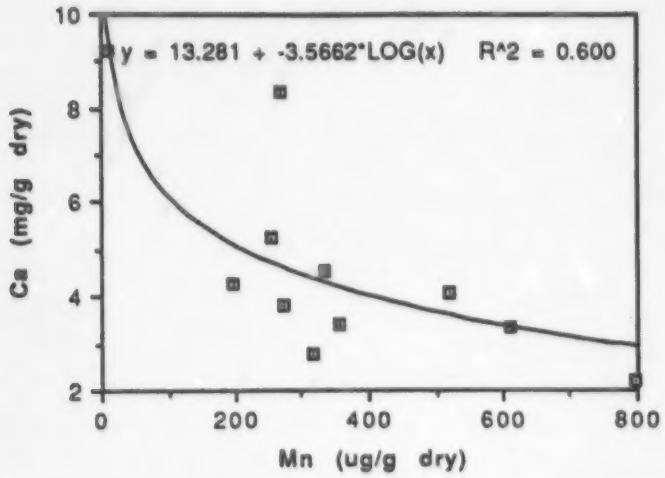

Figure 7: Ca as a function of Mn: northern Cascade Mountains.

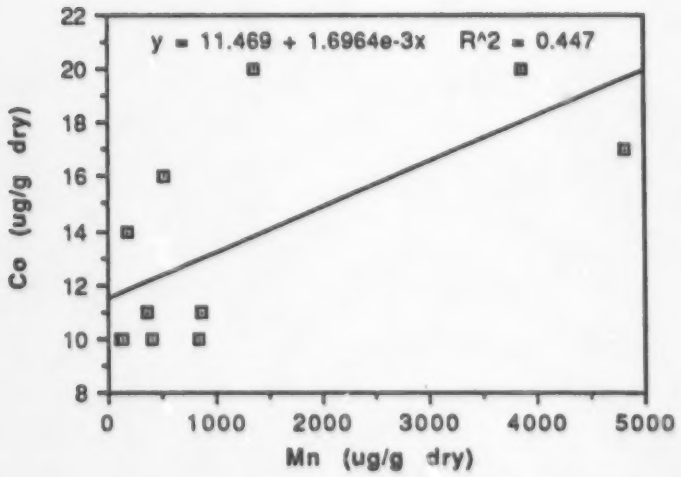

Figure 8: Co as a function of Mn: northern Rocky Mountains.

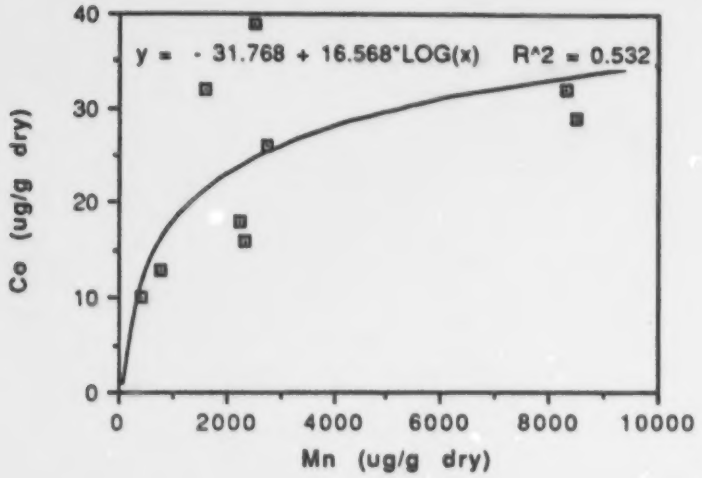

Figure 9: Co as a function of Mn: northern Insular Belt.

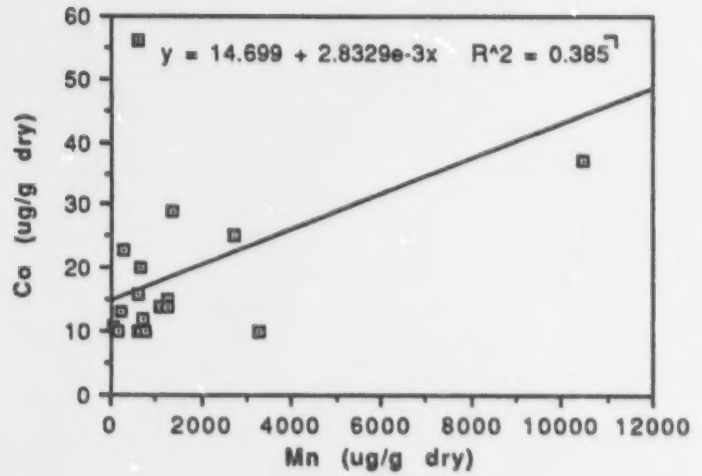

Figure 10: Co as a function of Mn: central Omineca Belt.

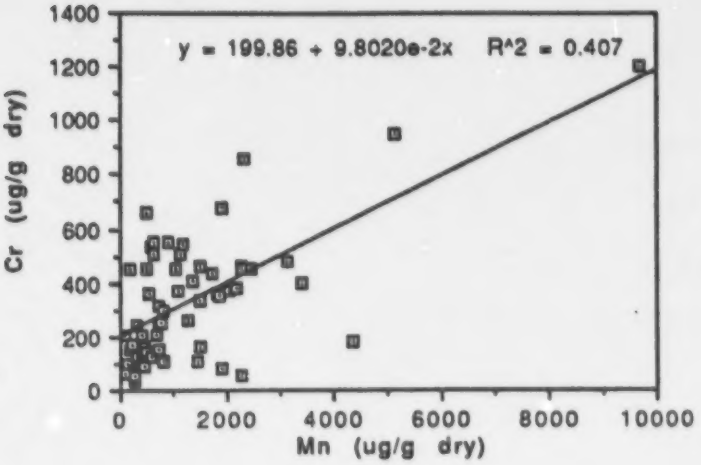

Figure 11: Cr as a function of Mn: southern Interior Plateau.

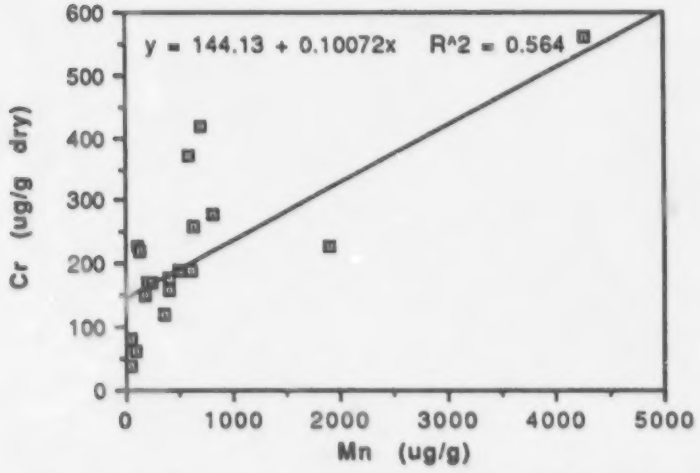

Figure 12: Cr as a function of Mn: southern Cascade Mountains.

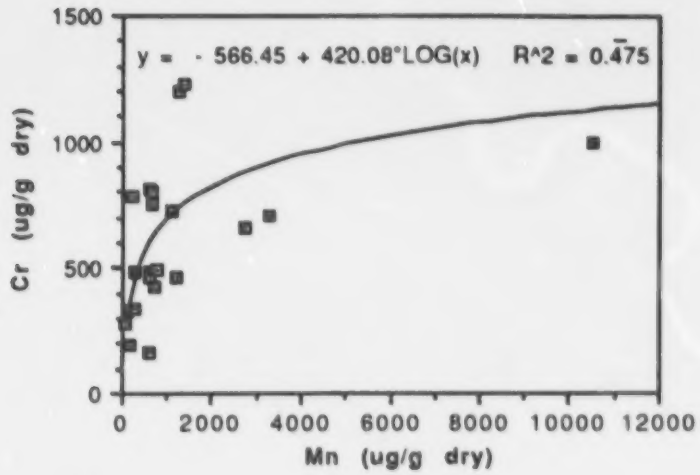

Figure 13: Cr as a function of Mn: central Omineca Belt.

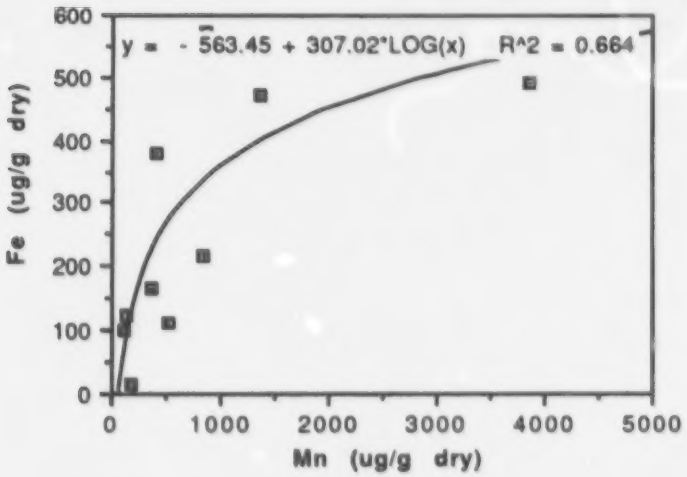

Figure 14: Fe as a function of Mn: northern Rocky Mountains.

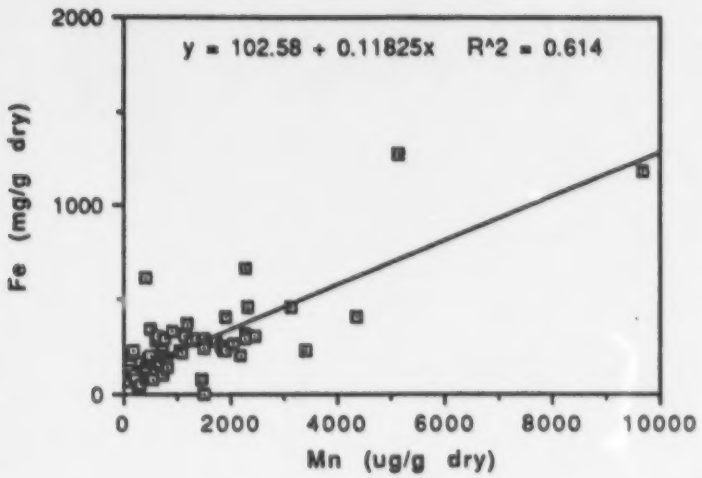

Figure 15: Fe as a function of Mn: southern Interior Plateau.

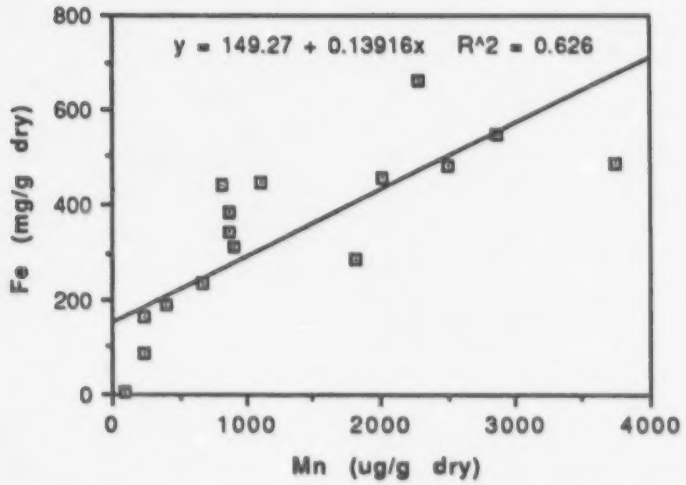

Figure 16: Fe as a function of Mn: northern Interior Plateau.

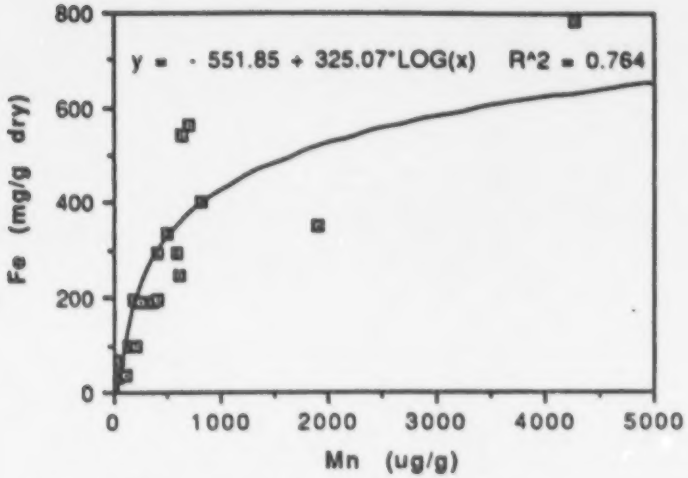

Figure 17: Fe as a function of Mn: southern Cascade Mountains.

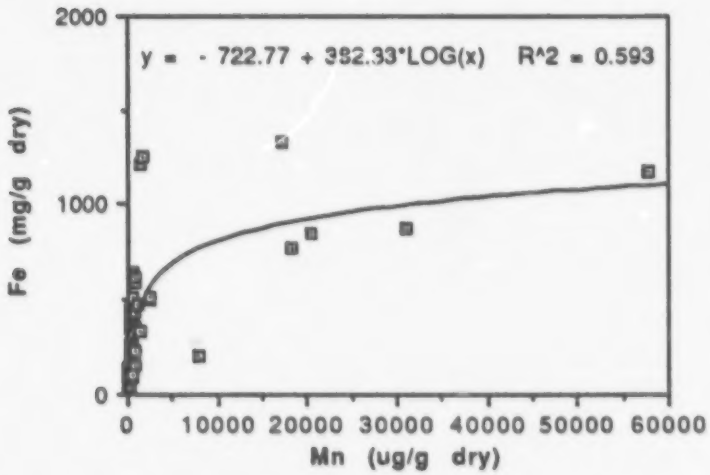

Figure 18: Fe as a function of Mn: southern Insular Belt.

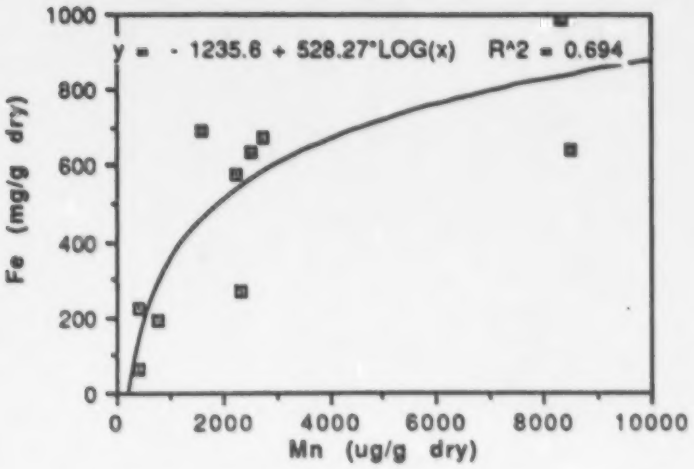

Figure 19: Fe as a function of Mn: northern Insular Belt.

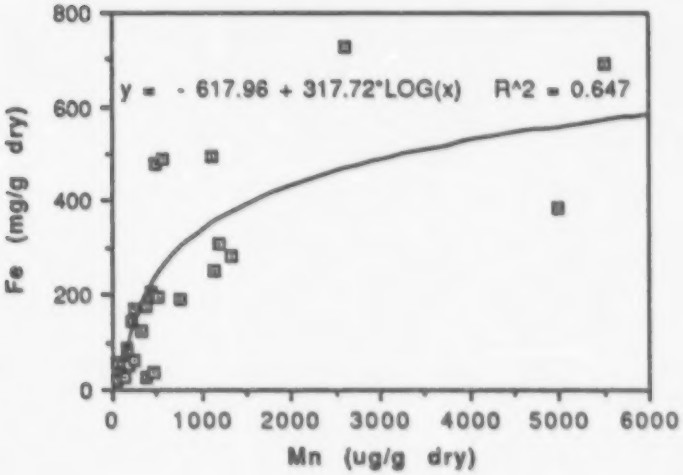

Figure 20: Fe as a function of Mn: southern Omineca Belt.

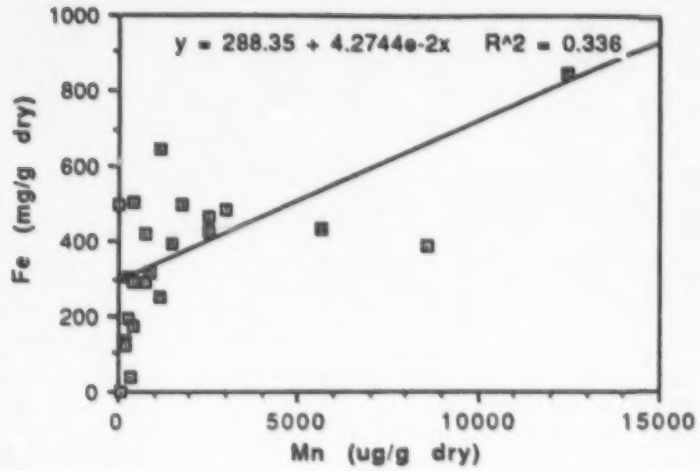

Figure 21: Fe as a function of Mn: northern Omineca Belt.

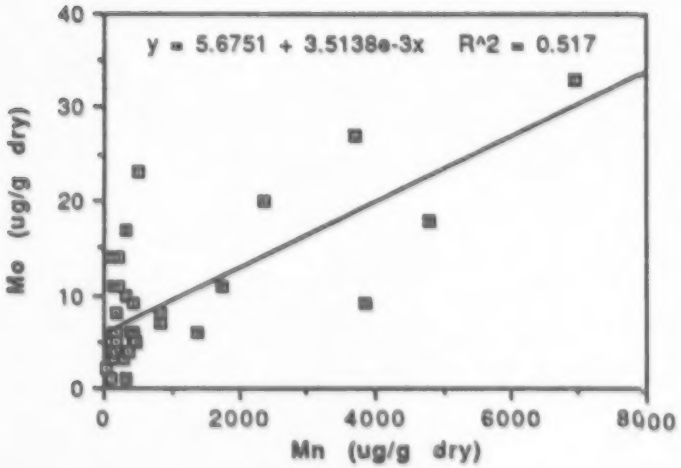

Figure 22: Mo as a function of Mn: Rocky Mountains.

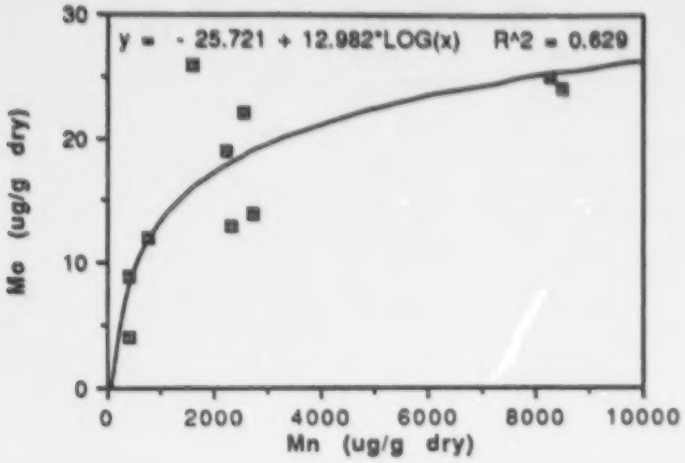

Figure 23: Mo as a function of Mn: northern Insular Belt.

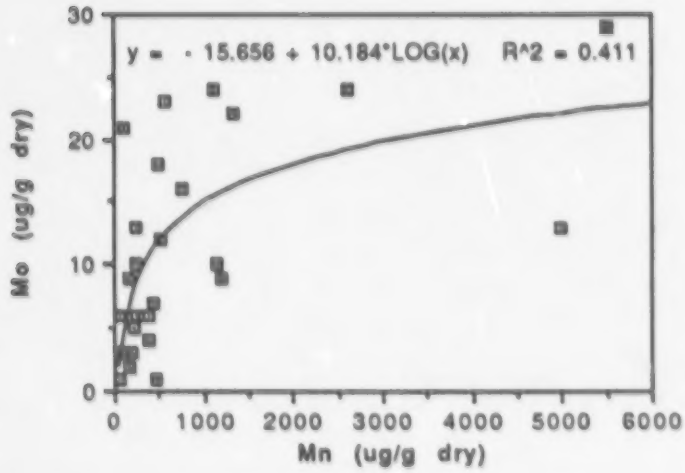

Figure 24: Mo as a function of Mn: southern Omineca Belt.

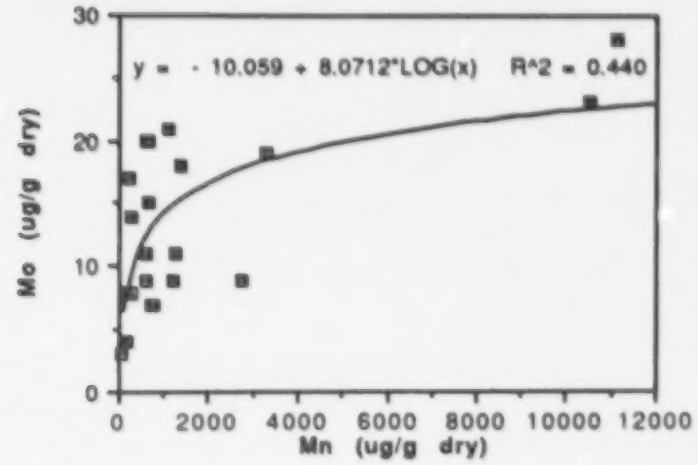

Figure 25: Mo as a function of Mn: central Omineca Belt.

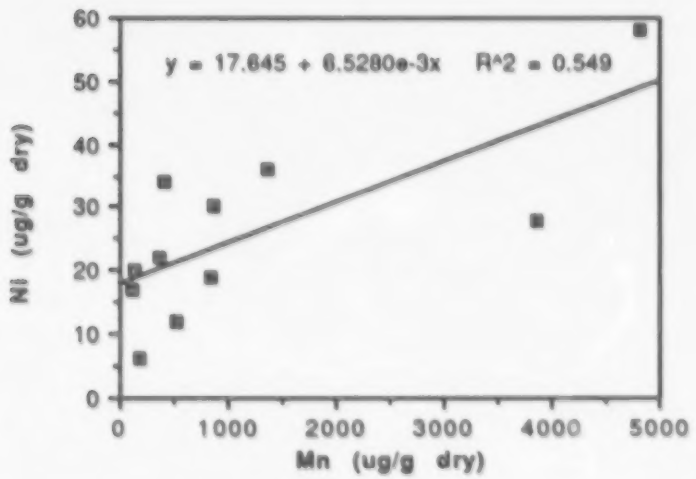

Figure 26: Ni as a function of Mn: northern Rocky Mountains.

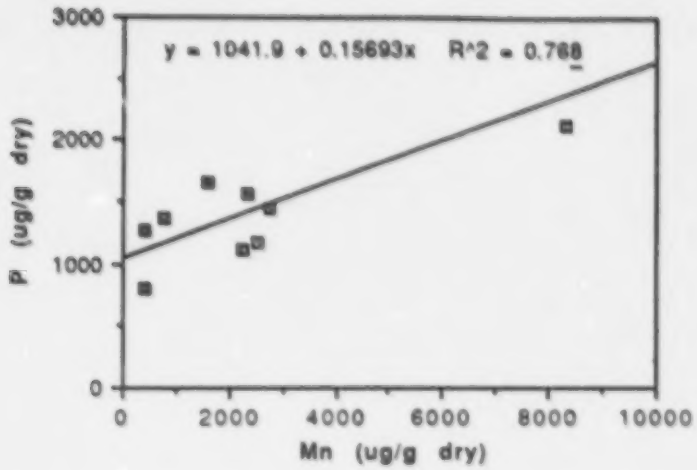

Figure 27: P as a function of Mn: northern Insular Belt.

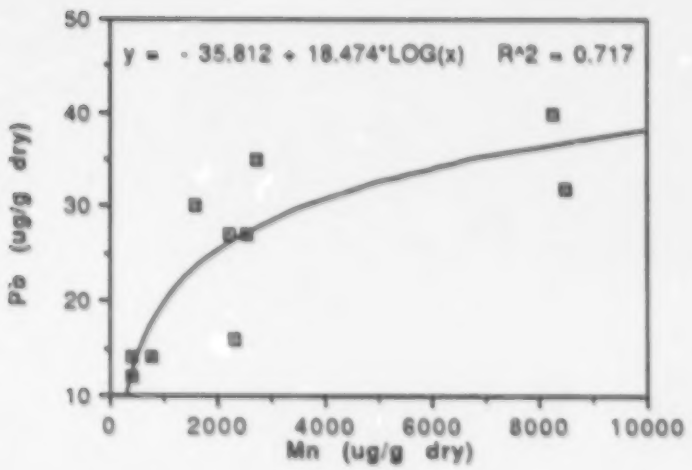

Figure 28: Pb as a function of MN: northern Insular Belt.

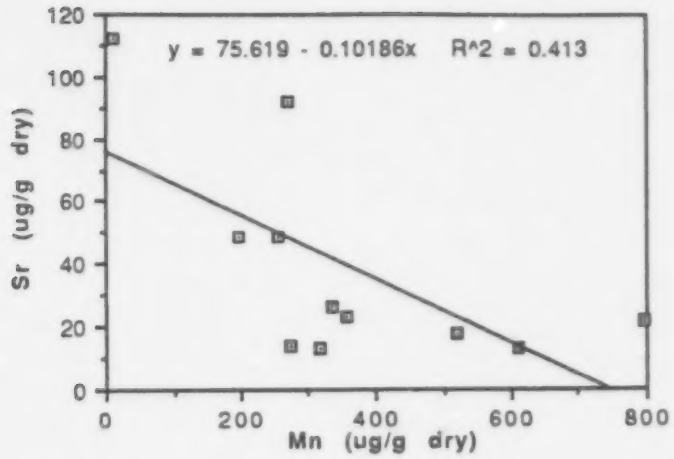

Figure 29: Sr as a function of Mn: northern Cascade Mountains.

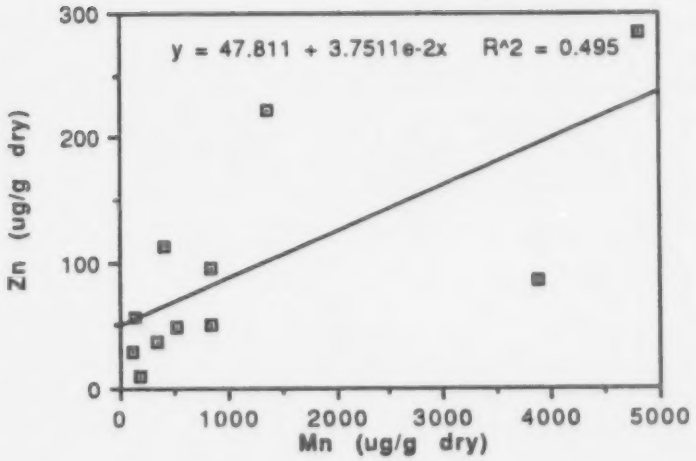

Figure 30: Zn as a function of Mn: northern Rocky Mountains.

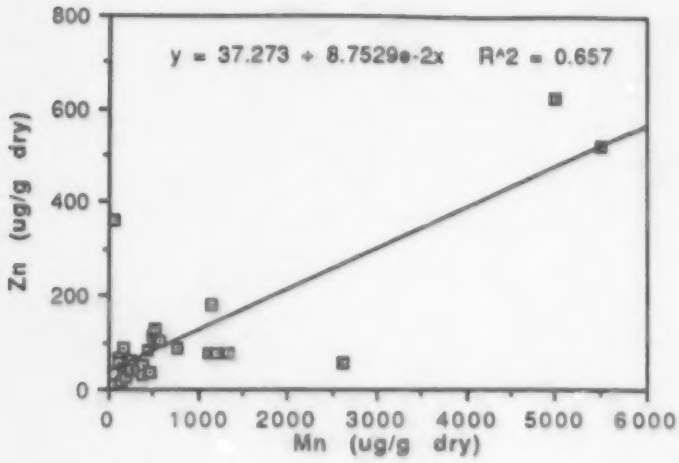

Figure 31: Zn as a function of Mn: southern Omineca Belt.

APPENDIX 11

Graphical Representation of Regression Analyses
With Lake Surface Area as the Independent Variable.

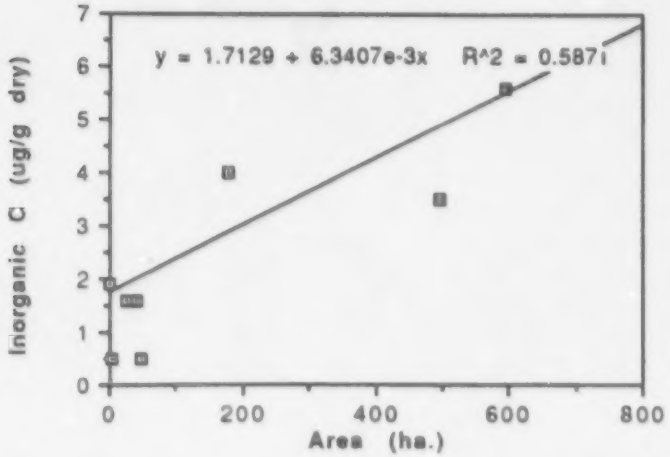

Figure 1: Inorganic C as a function of surface area: northern Insular Belt.

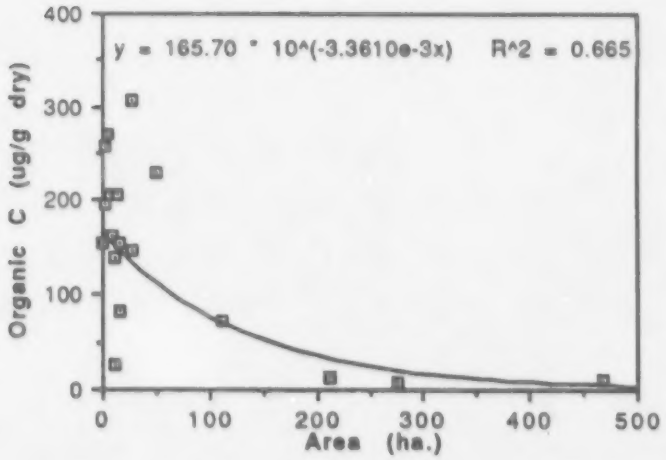

Figure 2: Organinc C as a function of surface area: southern Cascade Mountains.

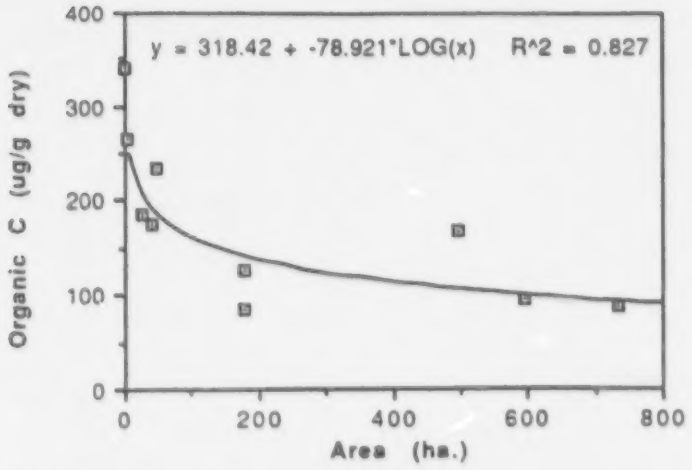

Figure 3: Organic C as a function of surface area: northern Insular Belt.

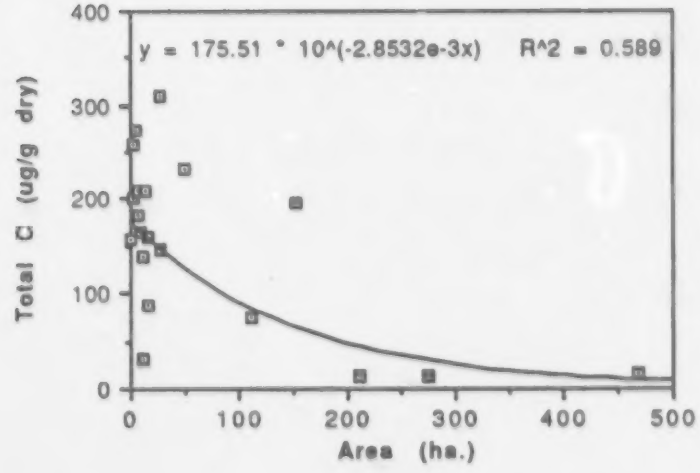

Figure 4: Total C as a function of surface area: southern Cascade Mountains.

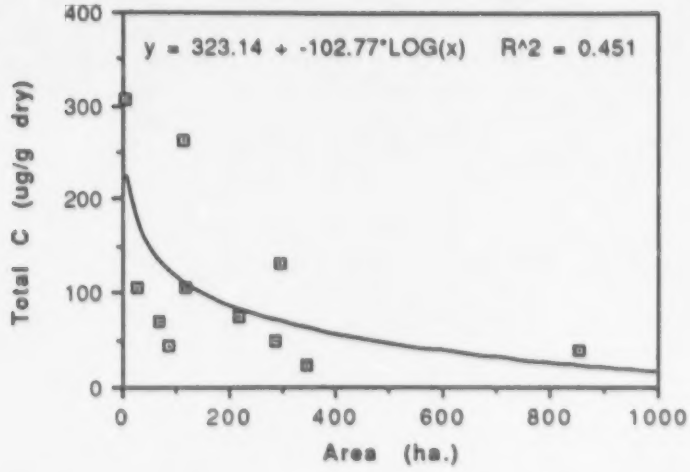

Figure 5: Total C as a function of surface area: northern Rocky Mountains.

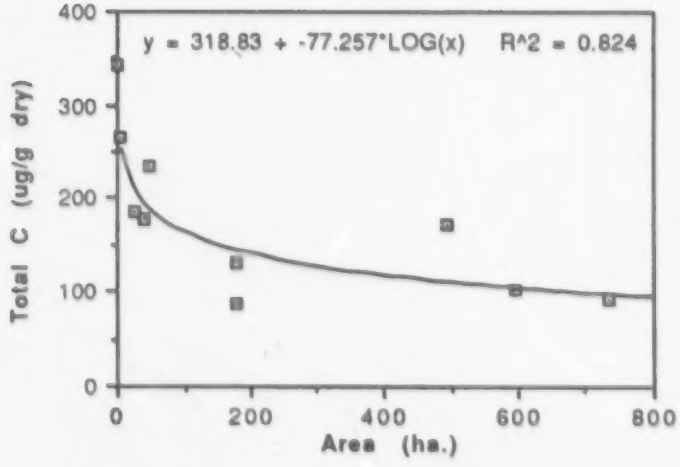

Figure 6: Total C as a function of surface area: northern Insular Belt.

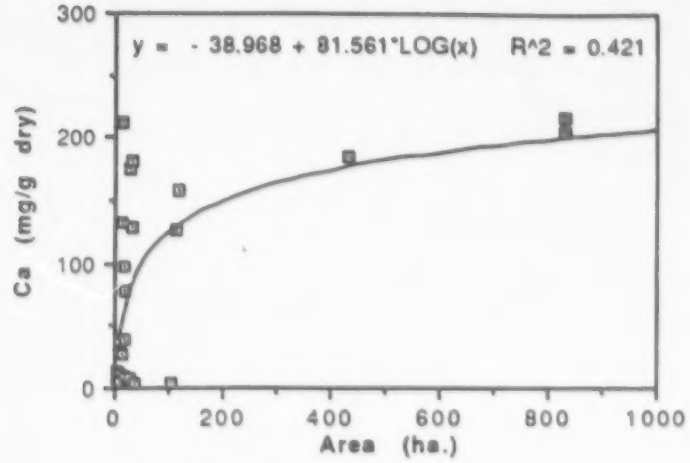

Figure 7: Ca as a function of surface area: southern Rocky Mountains.

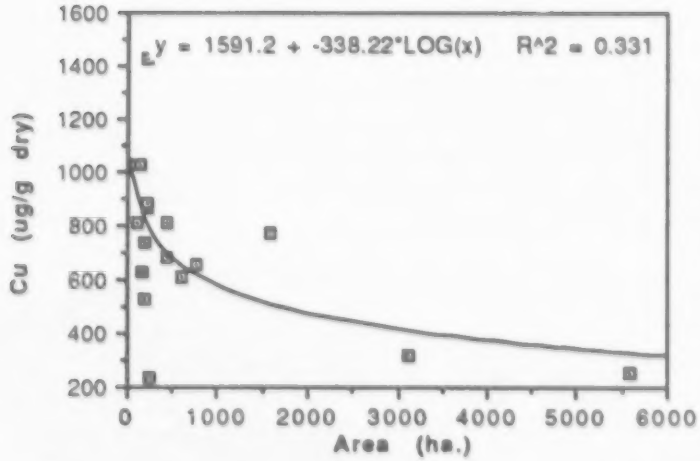

Figure 8: Cu as a function of surface area: northern Interior Plateau.

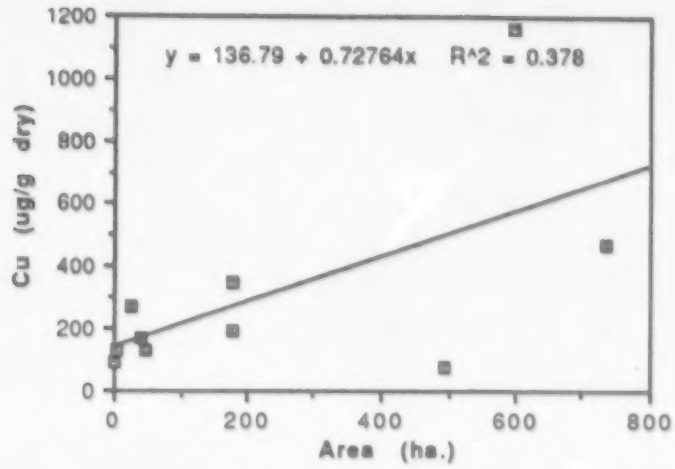

Figure 9: Cu as a function of surface area: northern Insular Belt.

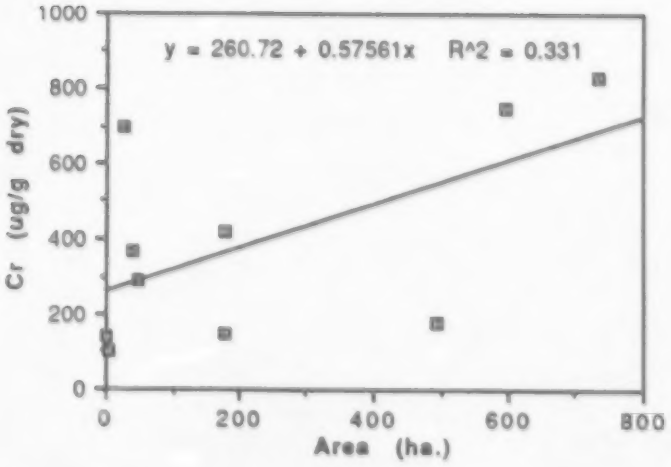

Figure 10: Cr as a function of surface area: northern Insular Belt.

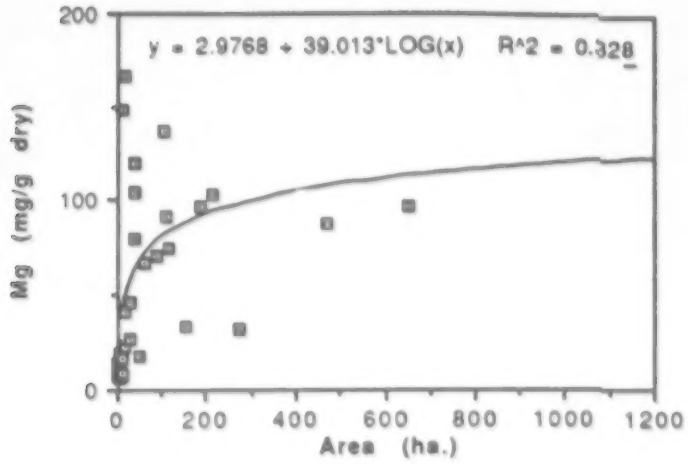

Figure 11: Mg as a function of surface area: Cascade Mountains.

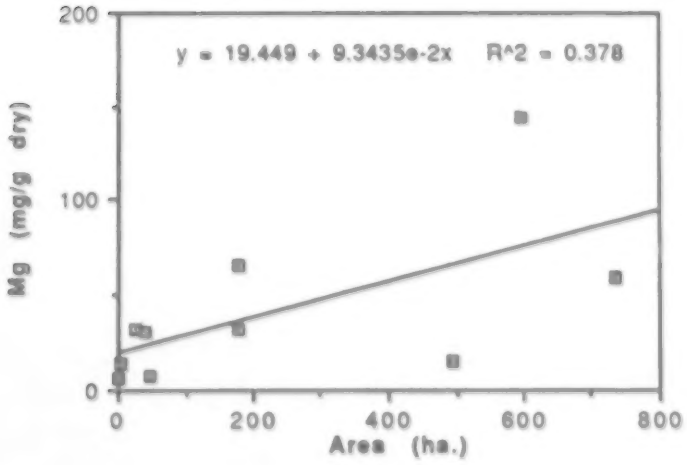

Figure 12: Mg as a function of surface area: northern Insular Belt.

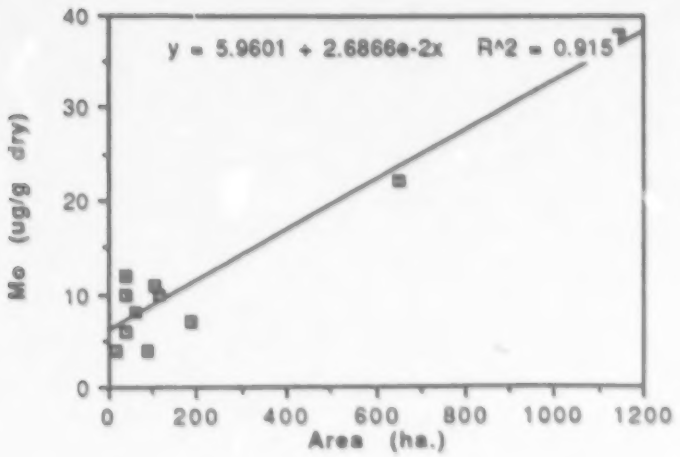

Figure 13: Mo as a function of surface area: northern Cascade Mountains.

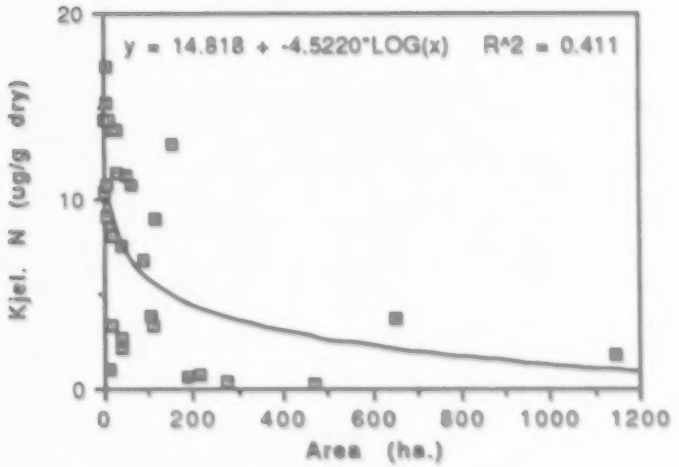

Figure 14: Kjeldahl N as a function of surface area: Cascade Mountains.

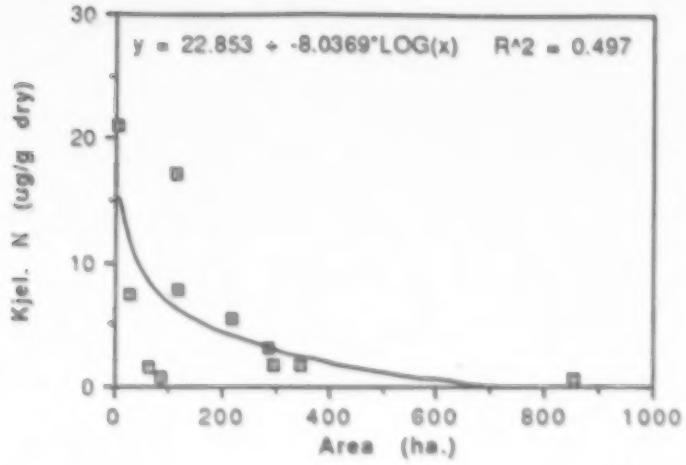

Figure 15: Kjeldahl N as a function of surface area: northern Rocky Mountains.

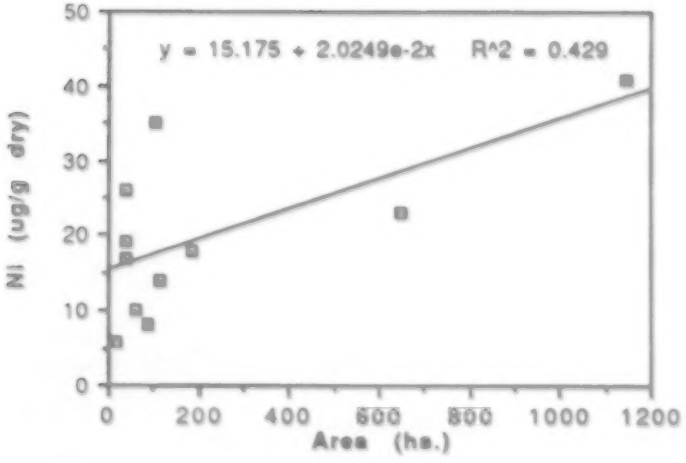

Figure 16: Ni as a function of surface area: northern Cascade Mountains.

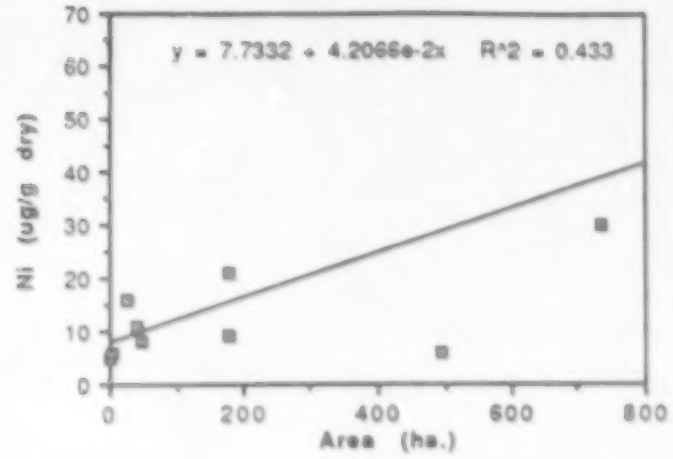

Figure 17: Ni as a function of surface area: northern Insular Belt.

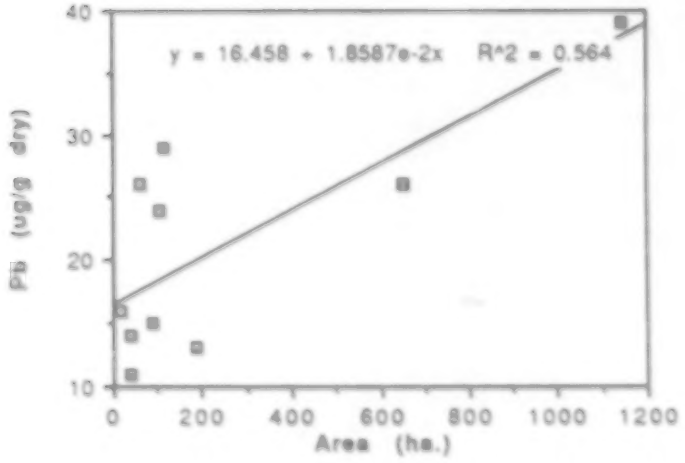

Figure 18: Pb as a function of surface area: northern Cascade Mountains.

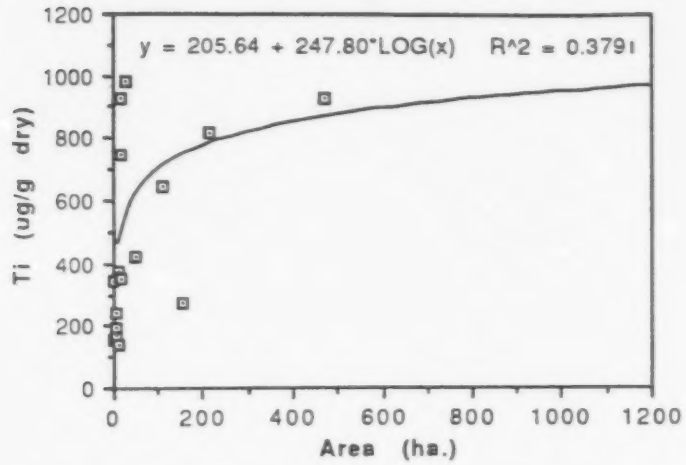

Figure 19: Ti as a function of surface area: Cascade Mountains.

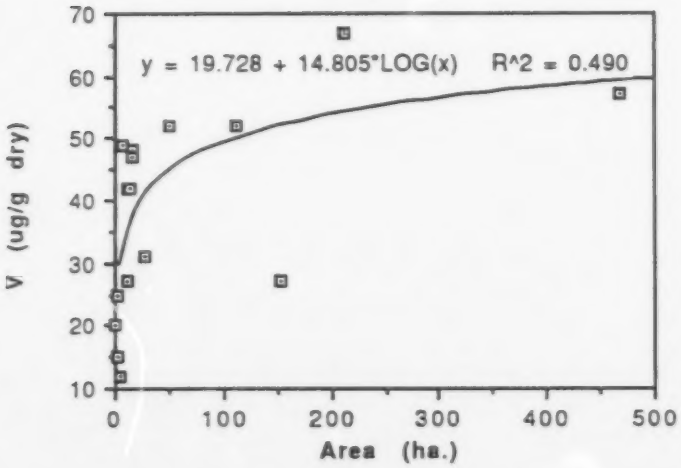

Figure 20: V as a function of surface area: southern Cascade Mountains.

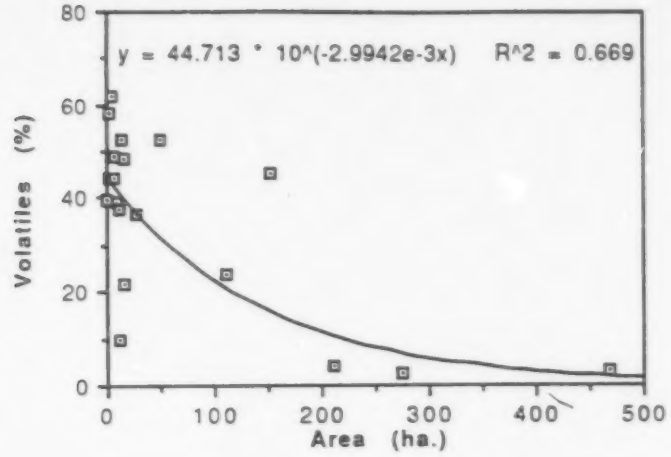

Figure 21: Volatiles as a function of surface area: southern Cascade Mountains.

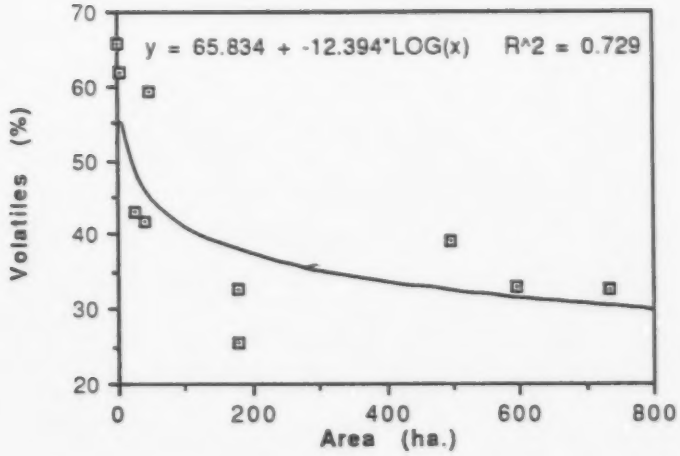

Figure 22: Volatiles as a function of surface area: northern Insular Belt.

APPENDIX 12

Graphical Representation of Regression Analyses
With Mean Depth as the Independent Variable.

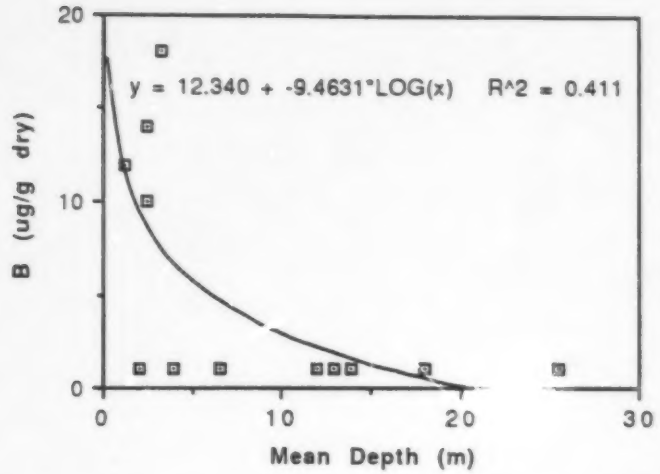

Figure 1: B as a function of mean depth: southern Rocky Mountains.

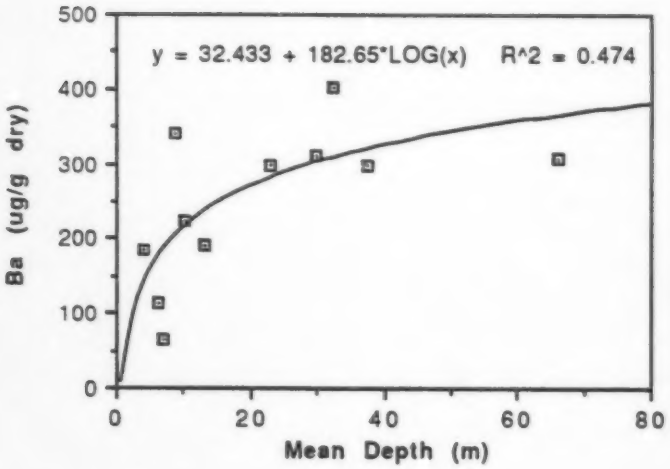

Figure 2: Ba as a function of mean depth: northern Cascade Mountains.

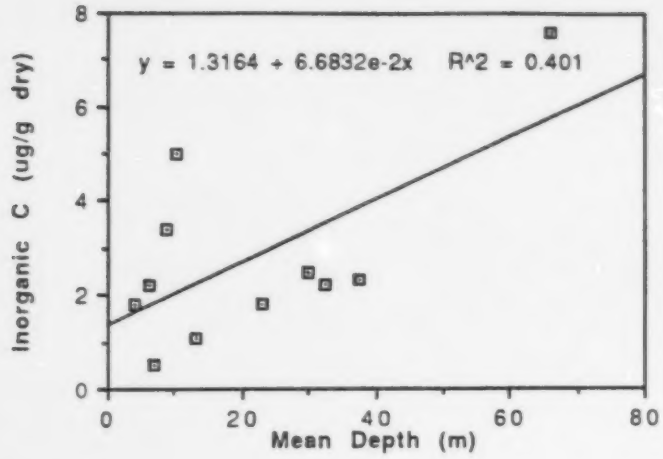

Figure 3: Inorganic C as a function of mean depth: northern Cascade Mountains.

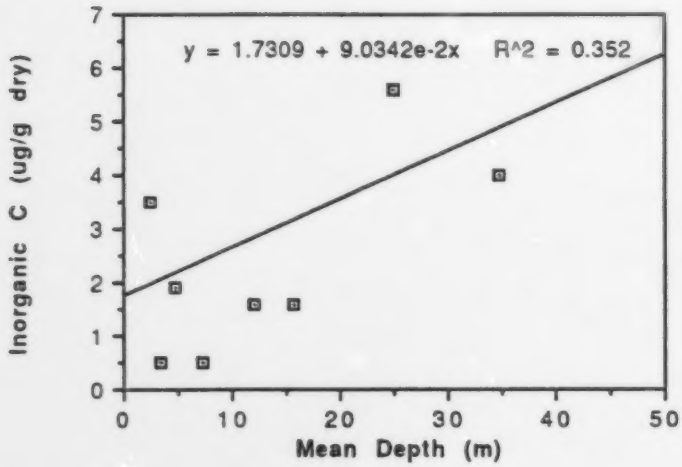

Figure 4: Inorganic C as a function of mean depth: northen Insular Belt.

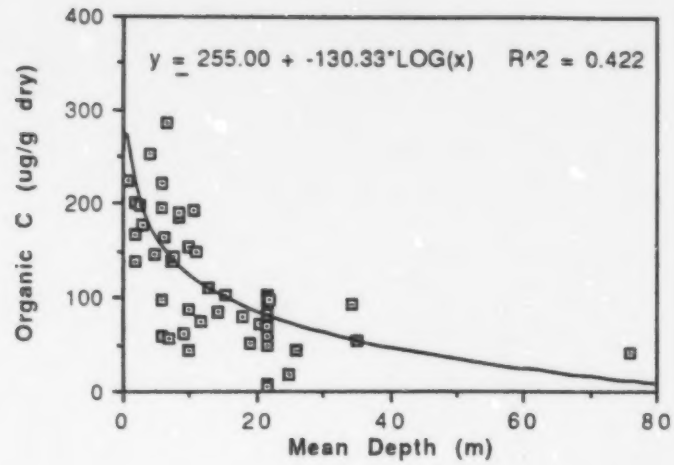

Figure 5: Organic C as a function of mean depth: southern Interior Plateau.

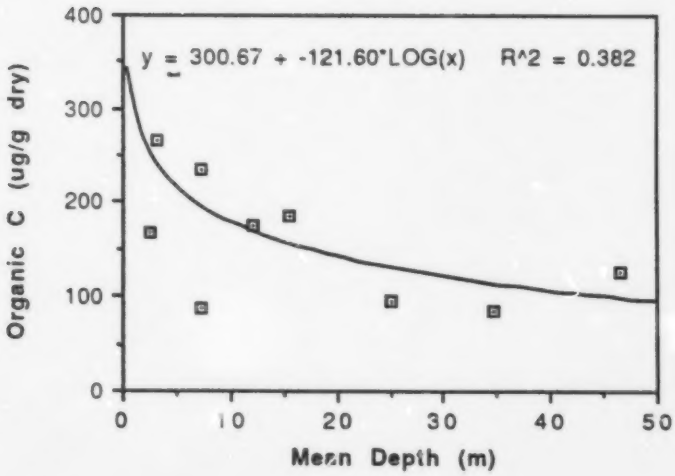

Figure 6: Organic C as a function of mean depth: northern Insular Belt.

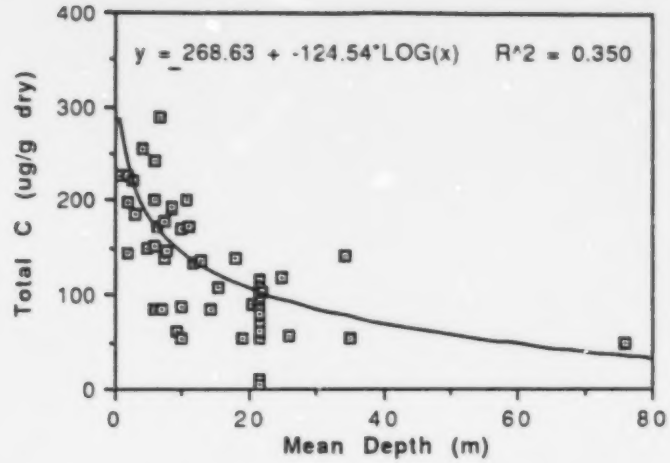

Figure 7: Total C as a function of mean depth: southern Interior Plateau.

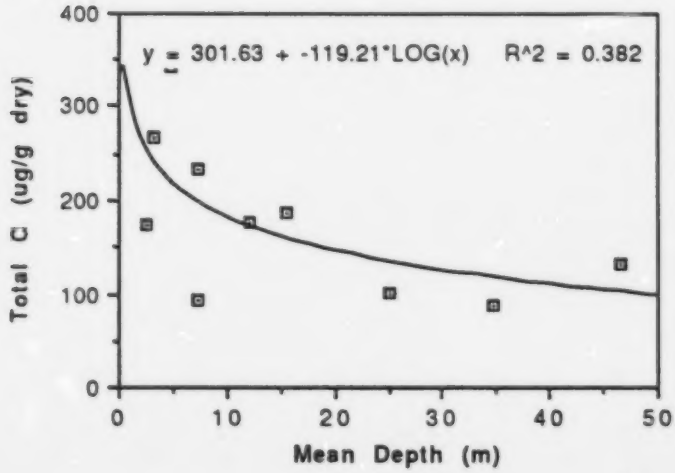

Figure 8: Total C as a function of mean depth: northern Insular Belt.

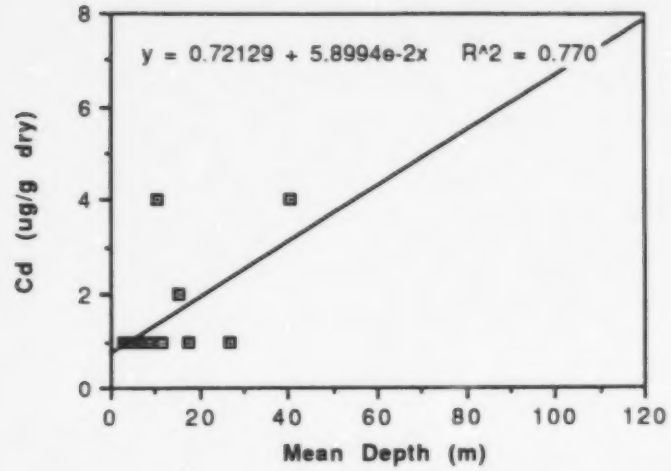

Figure 9: Cd as a function of mean depth: central Omineca Belt.

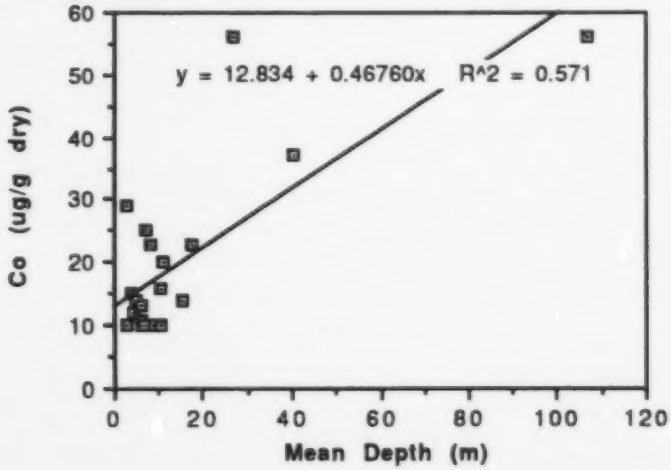

Figure 10: Co as a function of mean depth: central Omineca Plateau.

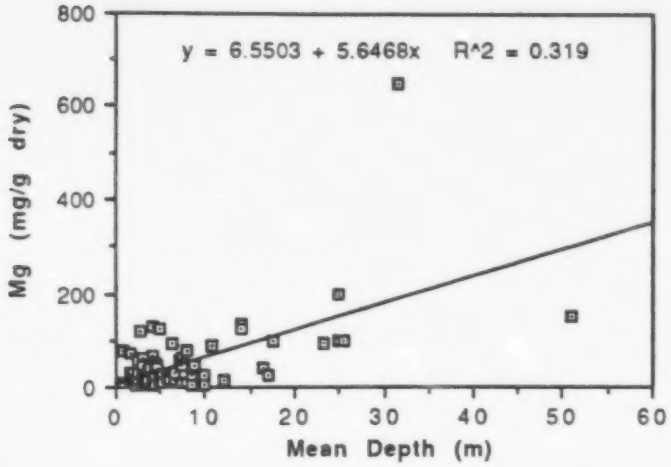

Figure 11: Mg as a function of mean depth: southern Insular Belt.

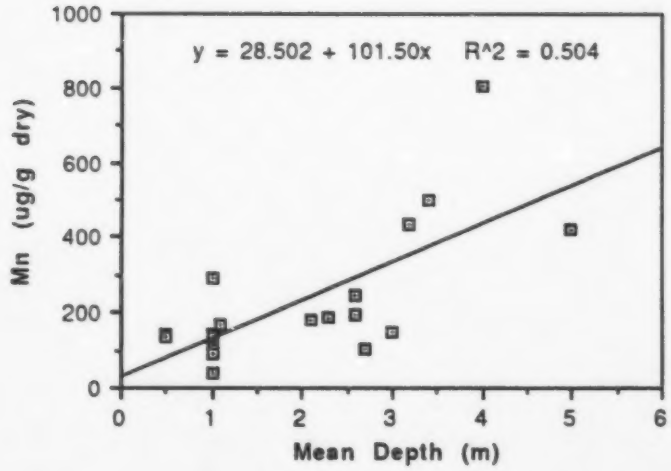

Figure 12: Mn as a function of mean depth: Alberta Plateau.

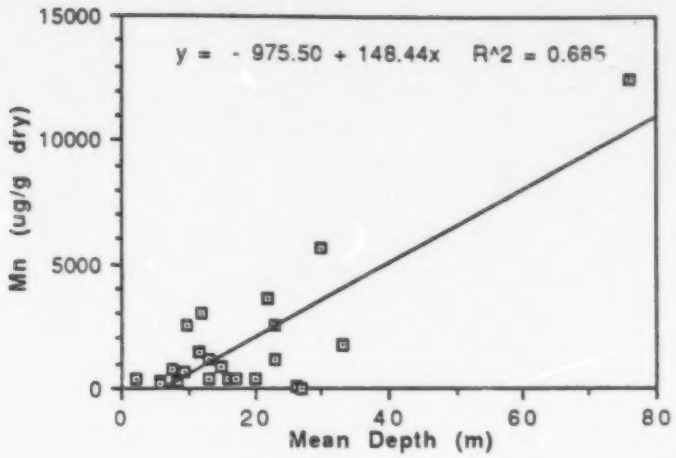

Figure 13: Mn as a function of mean depth: northern Omineca Belt.

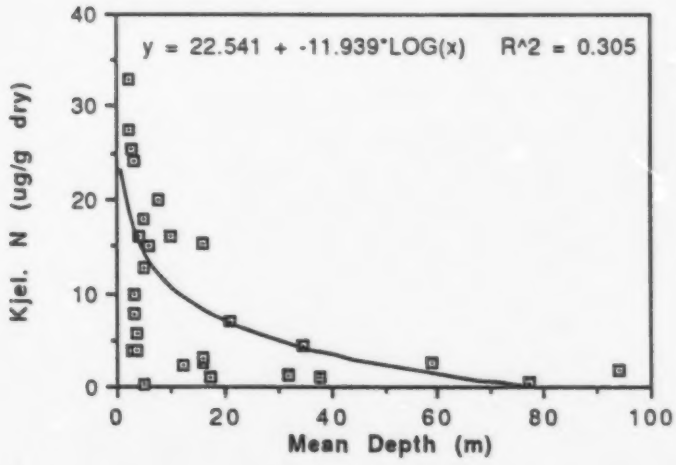

Figure 14: Kjeldahl N as a function of mean depth: southern Omineca Belt.

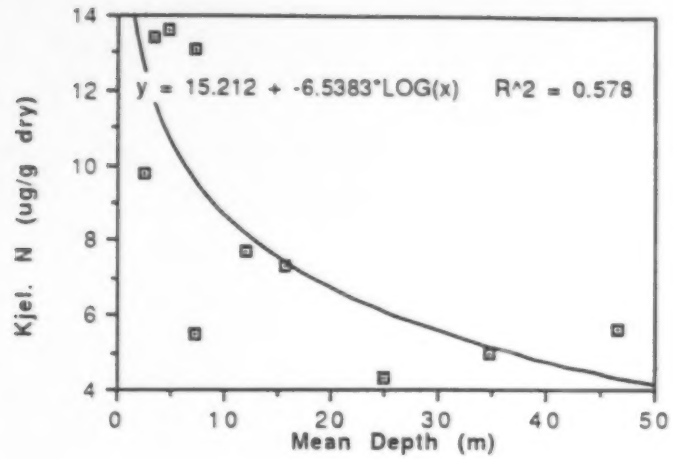

Figure 15: Kjeldahl N as a function of mean depth: northern Insular Belt.

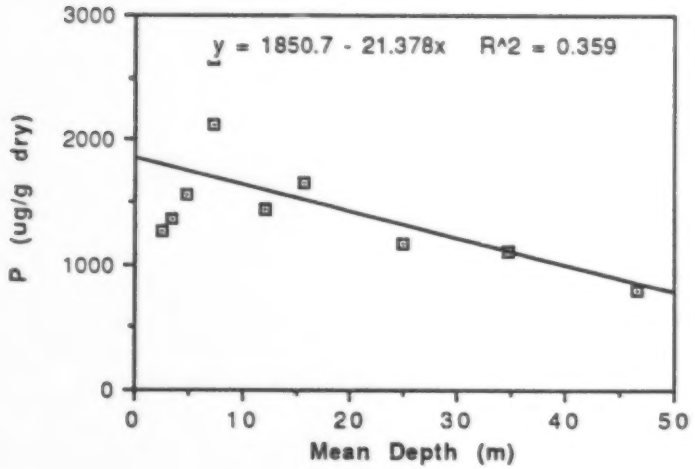

Figure 16: P as a function of mean depth: northern Insular Belt.

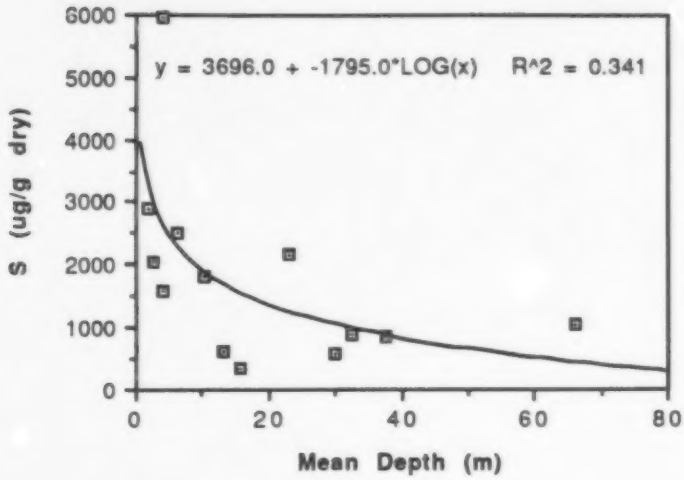

Figure 17: S as a function of mean depth: Cascade Mountains.

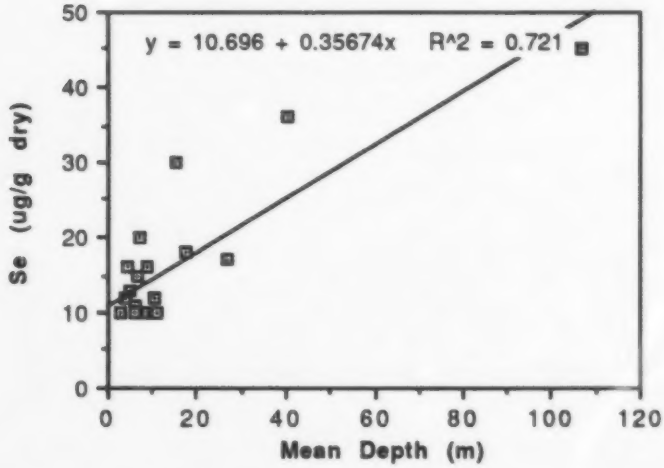

Figure 18: Se as a function of mean depth: central Omineca Belt.

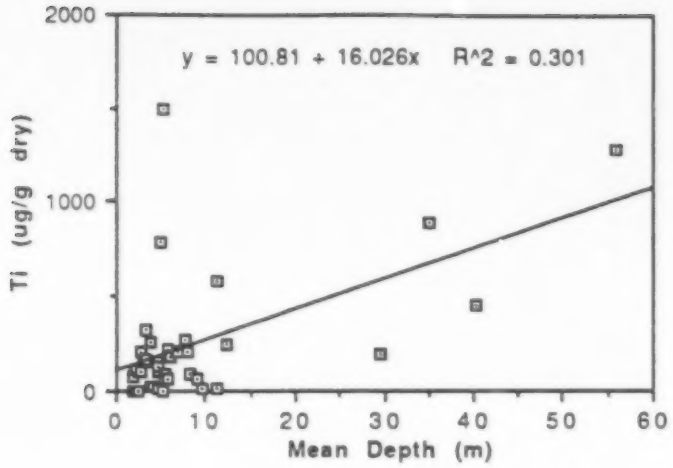

Figure 19: Ti as a function of mean depth: central Interior Plateau.

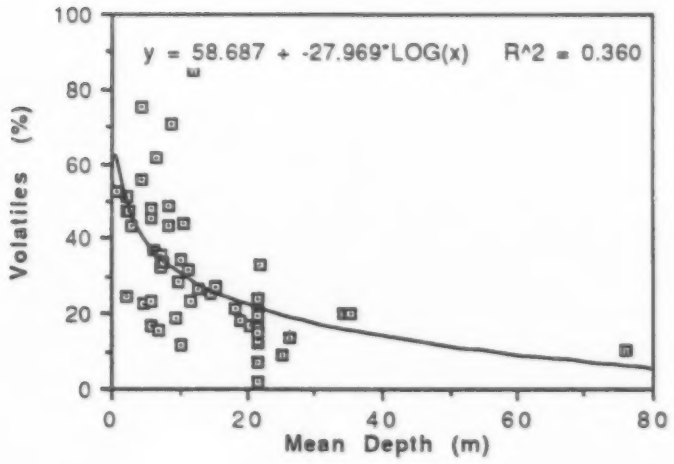

Figure 20: Volatiles as a function of mean depth: southern Interior Plateau.

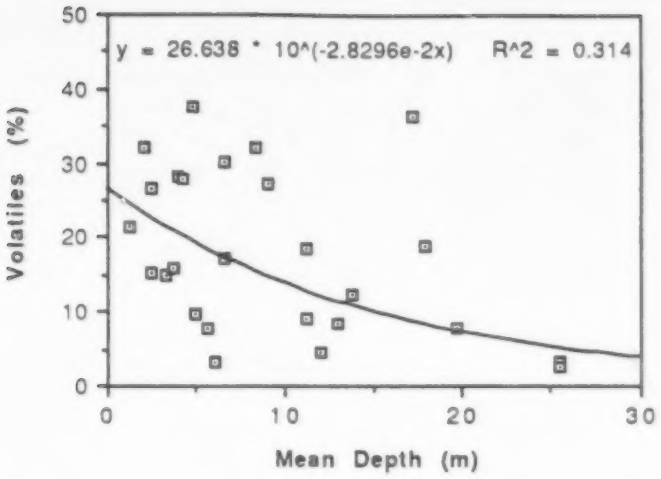

Figure 21: Volatiles as a function of mean depth: southern Rocky Mountains.

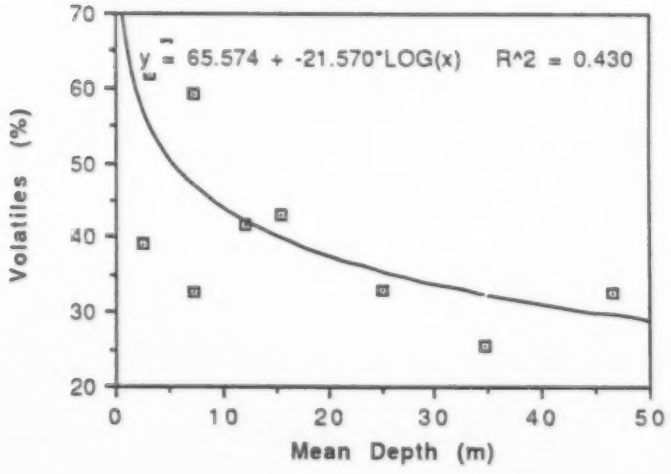

Figure 22: Volatiles as a function of mean depth: northern Insular Belt.

APPENDIX 13

Graphical Representation of Regression Analyses
With Lake Volume as the Independent Variable.

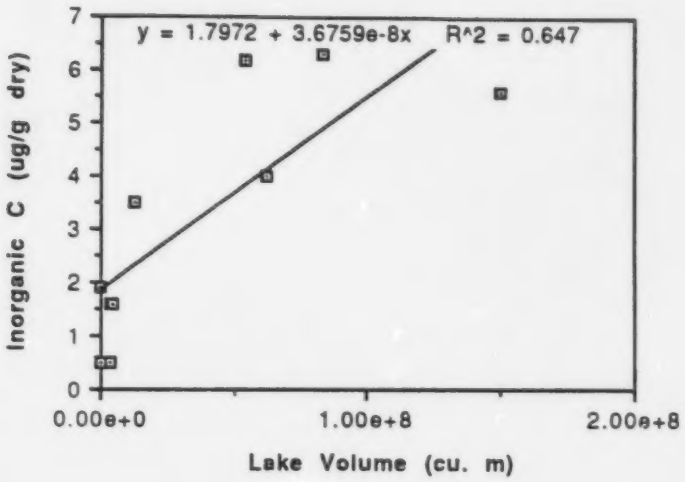

Figure 1: Inorganic C as a function of lake volume: northern Insular Belt.

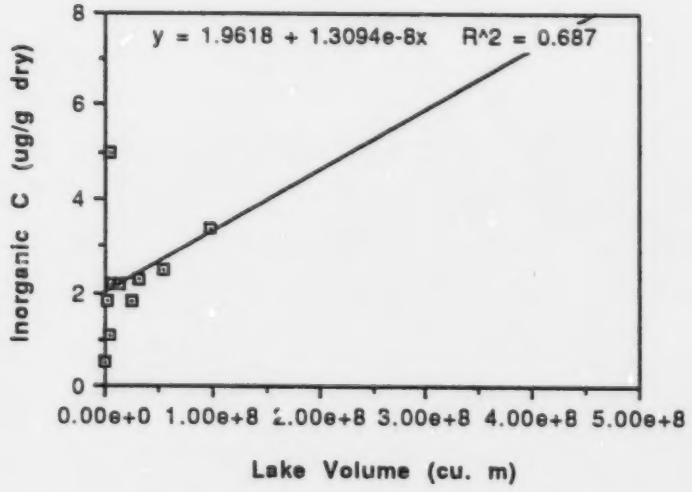

Figure 2: Inorganic C as a function of lake volume: northern Cascade Mountains.

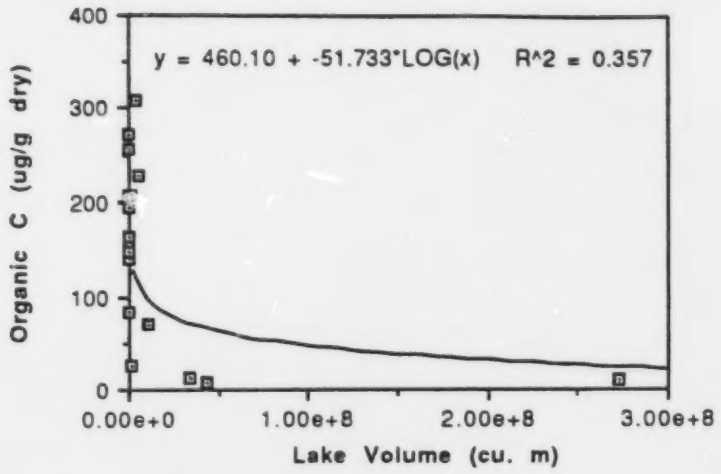

Figure 3: Organic C as a function of lake volume: southern Cascade Mountains.

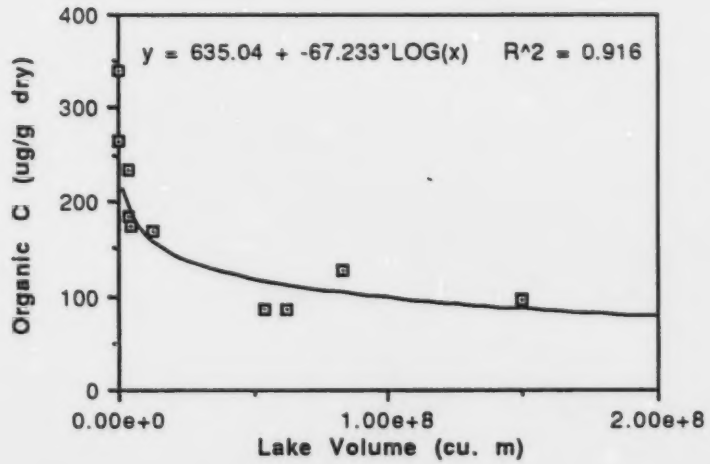

Figure 4: Organic C as a function of lake volume: northern Insular Belt.

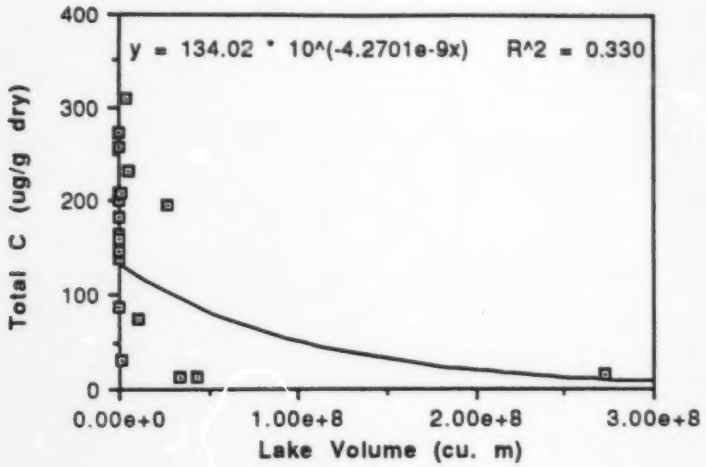

Figure 5: Total C as a function of lake volume: southern Cascade Mountains.

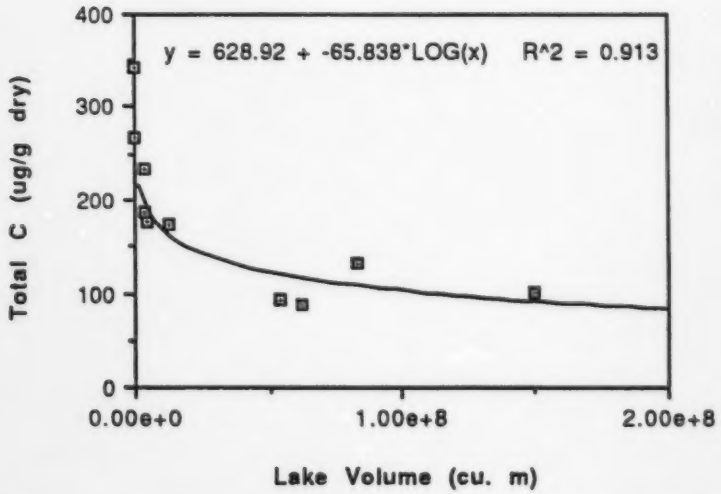

Figure 6: Total C as a function of lake volume: northern Insular Belt.

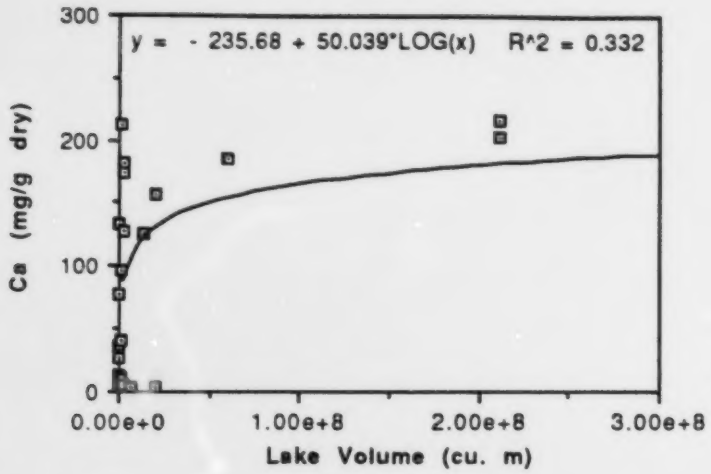

Figure 7: Ca as a function of lake volume: southern Rocky Mountains.

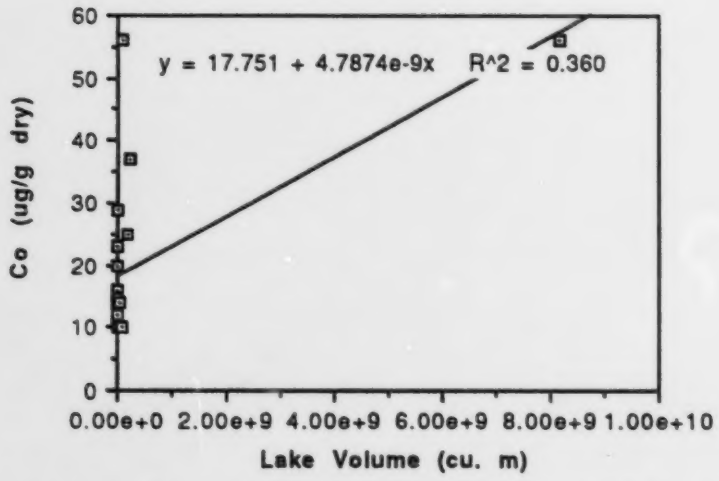

Figure 8: Co as a function of lake volume: central Omineca Belt.

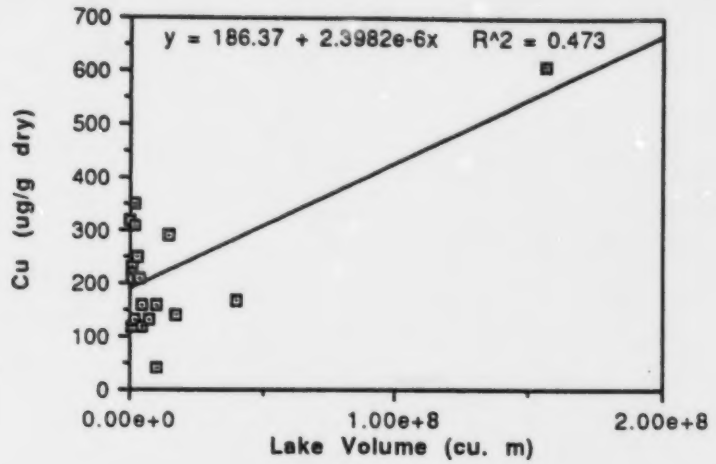

Figure 9: Cu as a function of lake volume: Alberta Plateau.

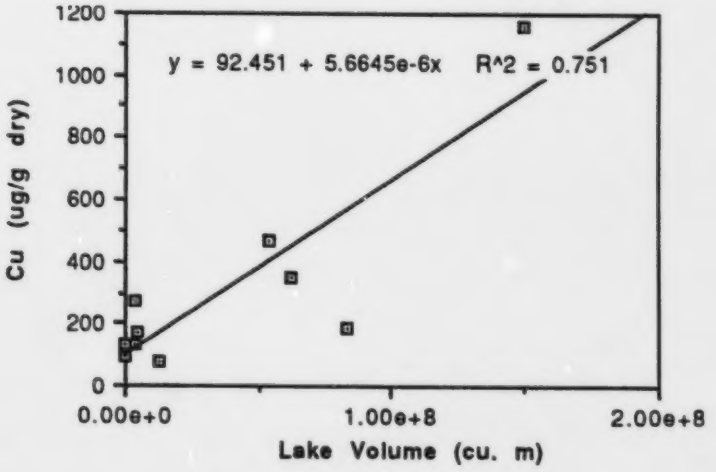

Figure 10: Cu as afunction of lake volume: northern Insular Belt.

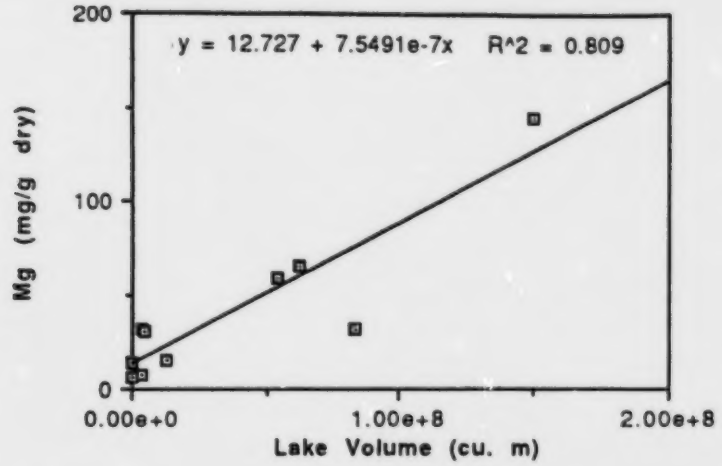

Figure 11: Mg as a function of lake volume: northern Insular Belt.

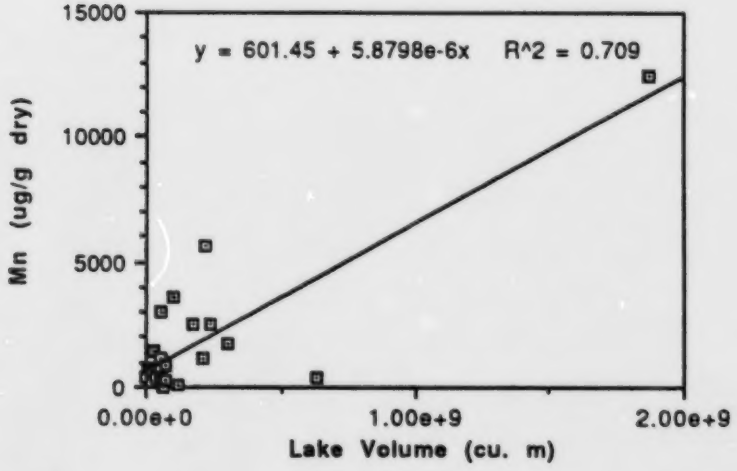

Figure 12: Mn as a function of lake volume: northern Omineca Belt.

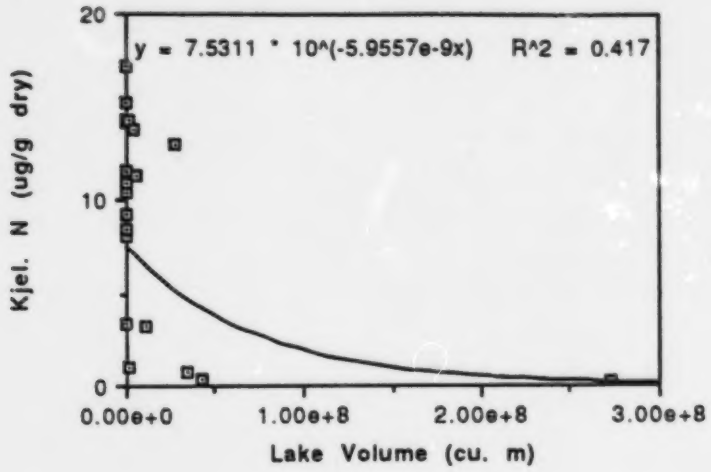

Figure 13: Kjeldahl N as a function of lake volume: southern Cascade Mountains.

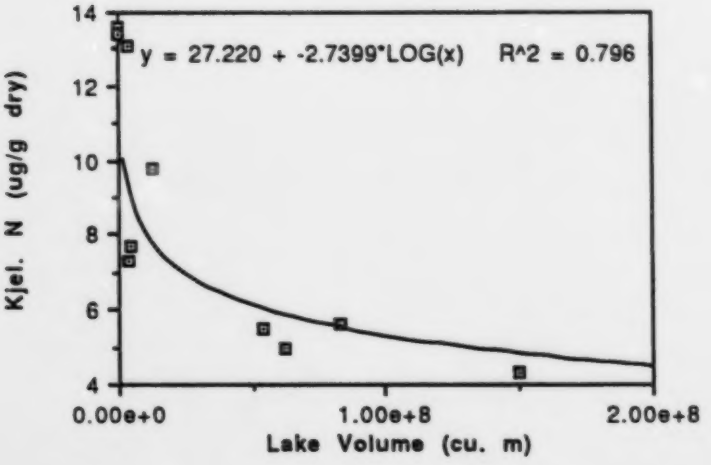

Figure 14: Kjeldahl N as a function of lake volume: northern Insular Belt.

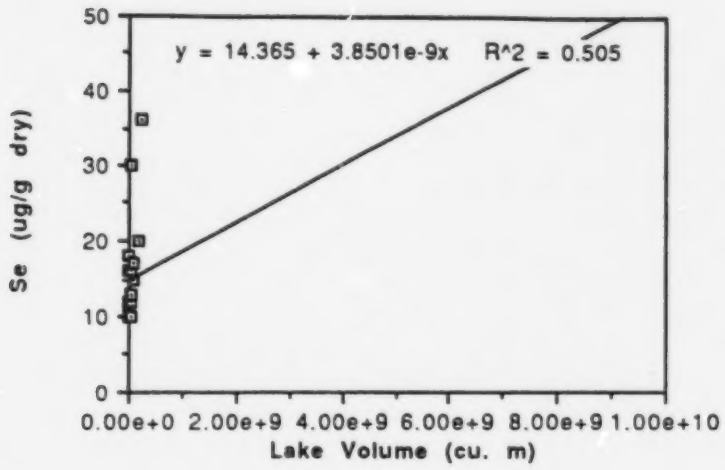

Figure 15: Se as a function of lake volume: central Omineca Belt.

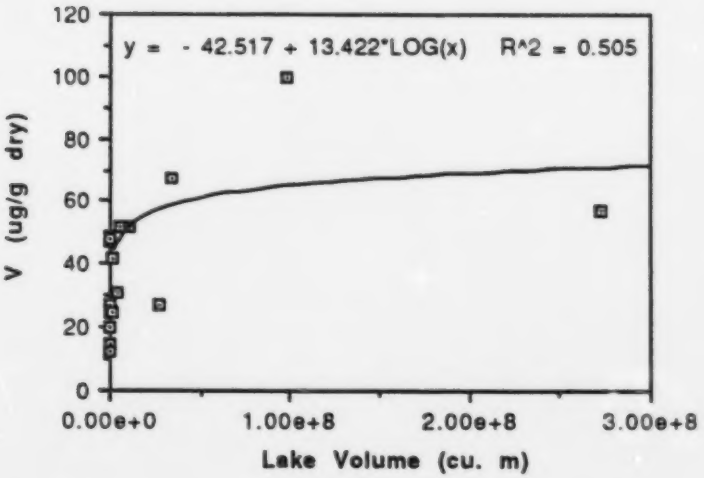

Figure 16: V as a function of lake volume: Cascade Mountains.

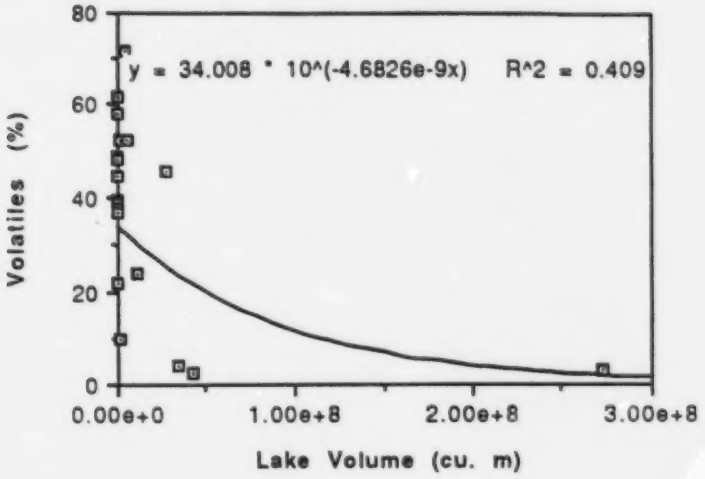

Figure 17: Volatiles as a function of lake volume: southern Cascade Mountains.

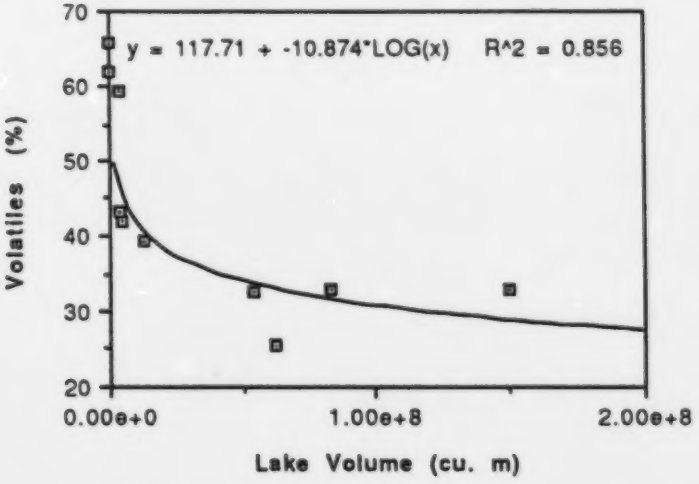

Figure 18: Volatiles as a function of lake volume: northern Insular Belt.

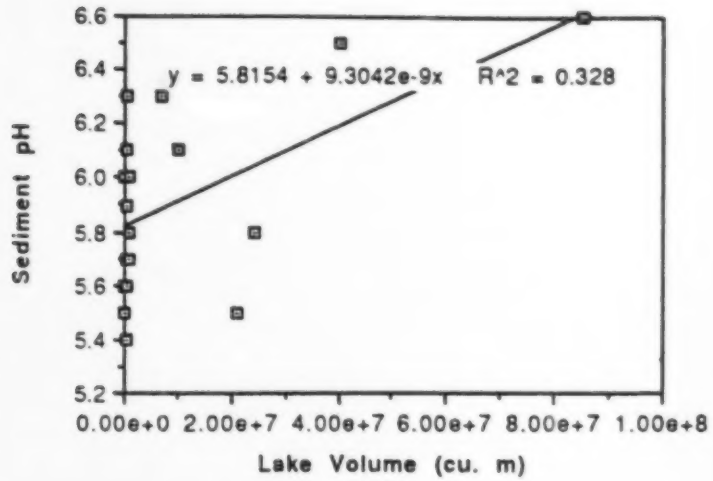

Figure 19: Sediment pH as a function of lake volume: southern Insular Belt.

APPENDIX 14

Graphical Representation of Regression Analyses
With Sample Depth as the Independent Variable.

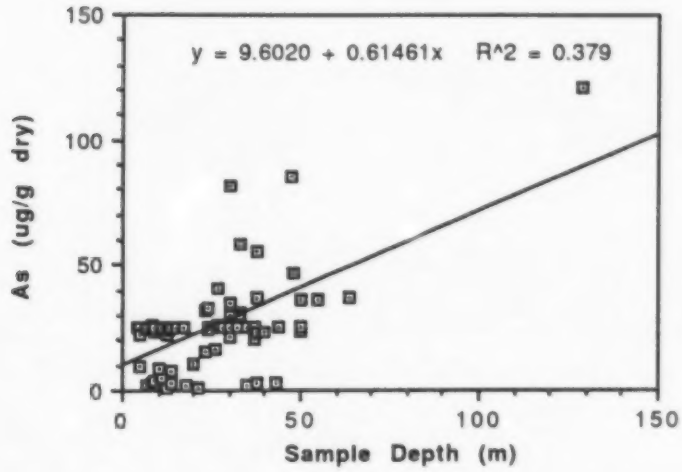

Figure 1: As as a function of sample depth: Omineca Belt.

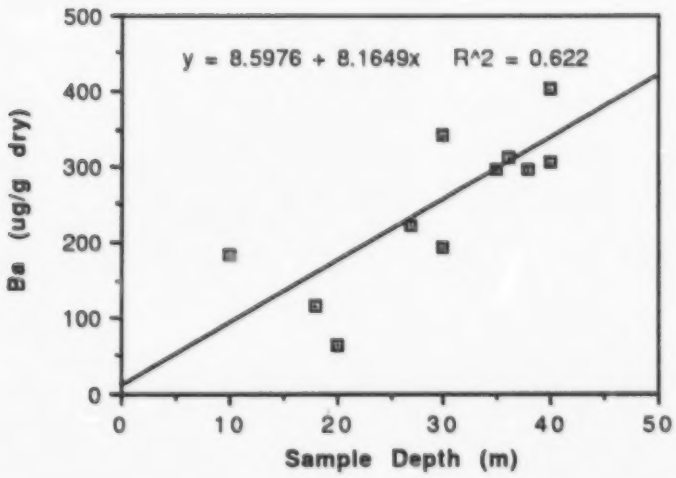

Figure 2: Ba as a function of sample depth: northern Cascade Mountains.

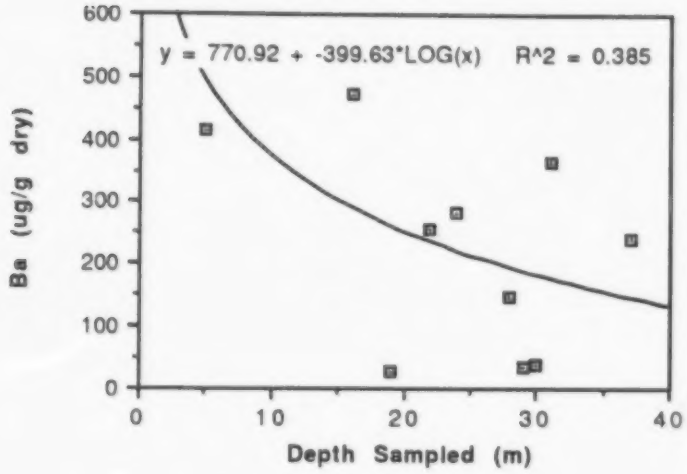

Figure 3: Ba as a function of sample depth: northern Rocky Mountains.

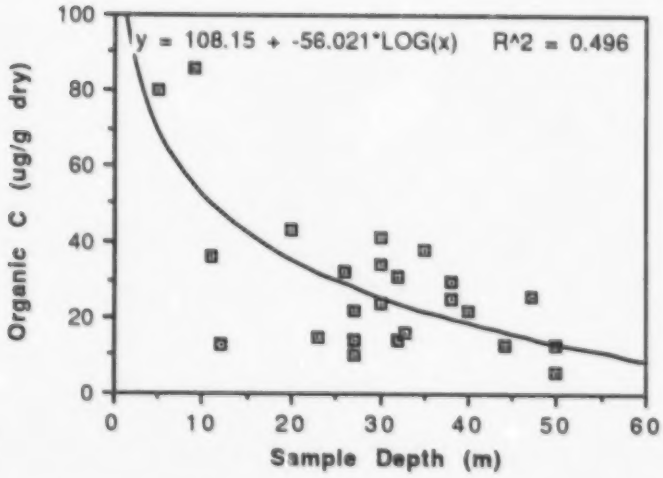

Figure 4: Organic C as a function of samole depth: northern Omineca Belt.

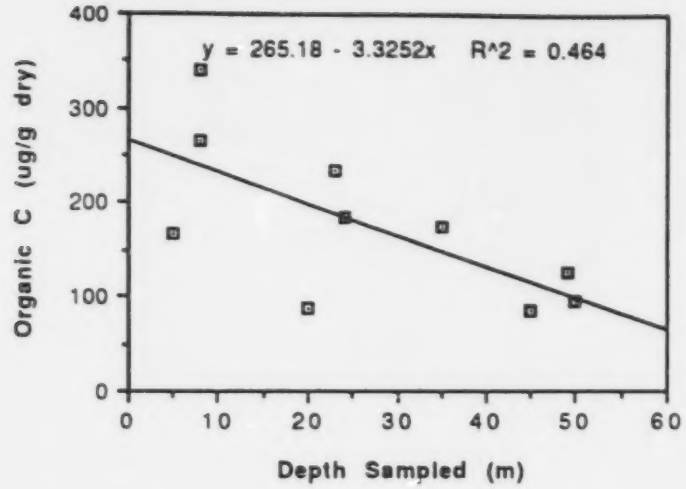

Figure 5: Organic C as a function of sample depth: northern Insular Belt.

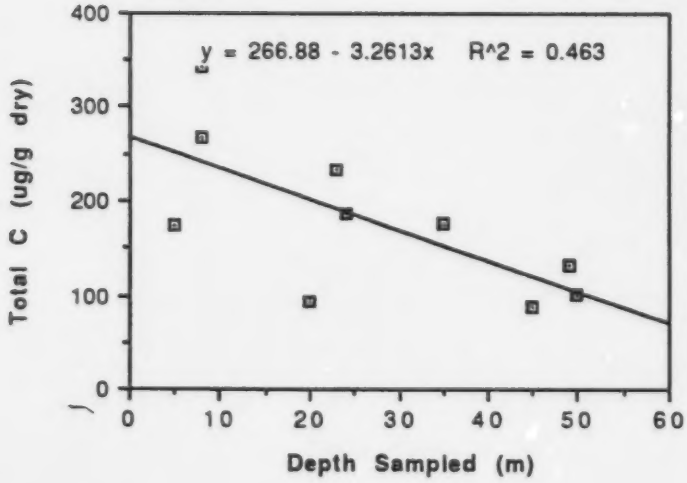

Figure 6: Total C as a function of sample depth: northern Insular Belt.

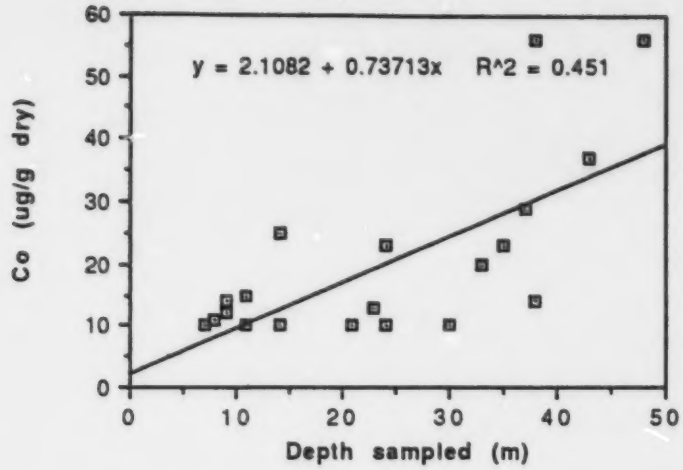

Figure 7: Co as a function of sample depth: central Omineca Belt.

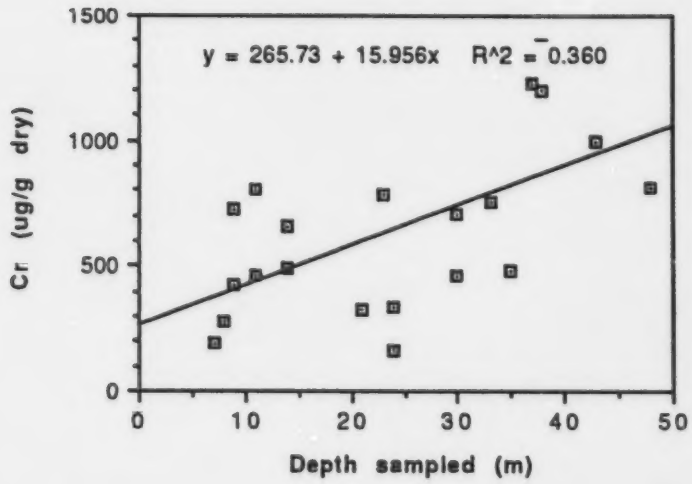

Figure 8: Cr as a function of sample depth: central Omineca Belt.

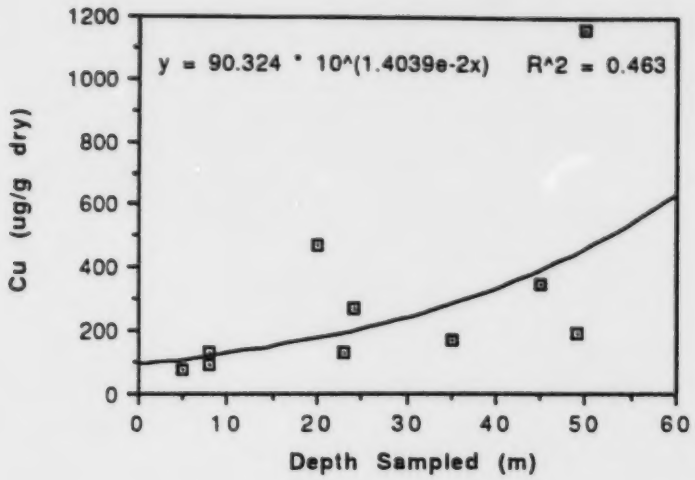

Figure 9: Cu as a function of sample depth: northern Insular Belt.

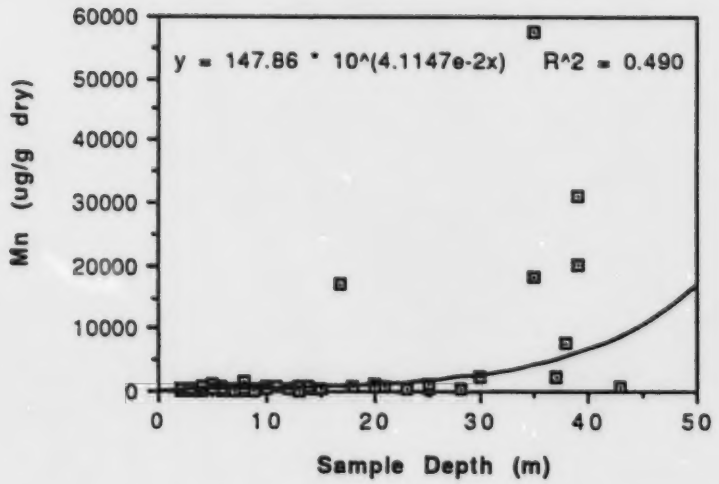

Figure 10: Mn as a function of sample depth: southern Insular Belt.

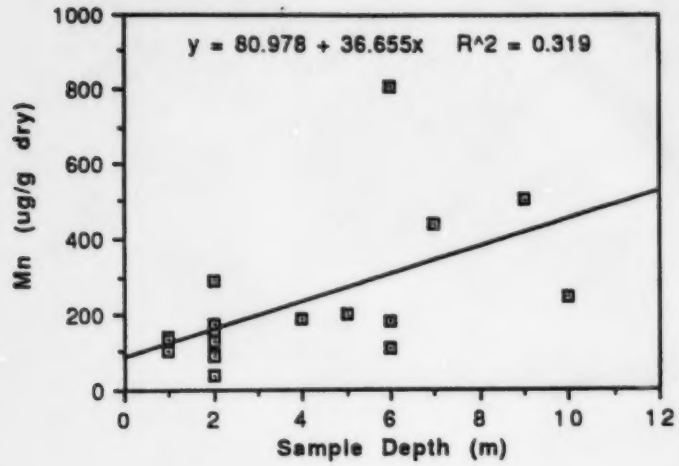

Figure 11: Mn as a function of sample depth: Alberta Plateau.

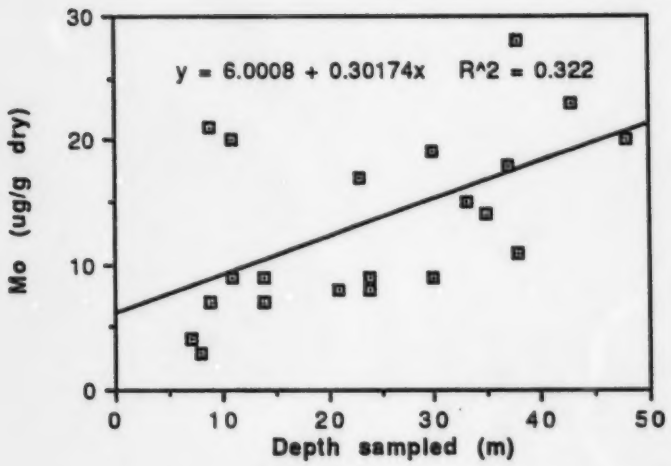

Figure 12: Mo as a function of sample depth: central Omineca Belt.

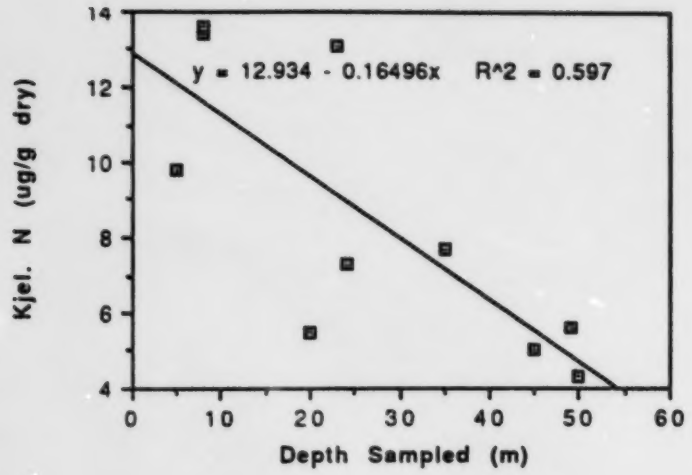

Figure 13: Kjeldahl N as a function of sample depth: northern Insular Belt.

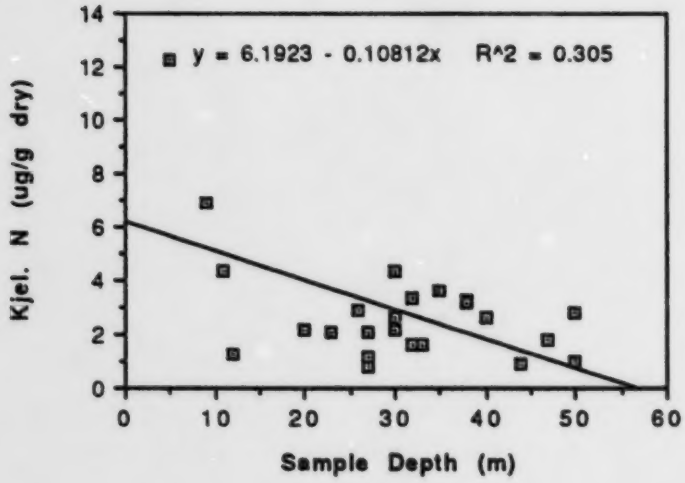

Figure 14: Kjeldahl N as a function of sample depth: northern Omineca Belt.

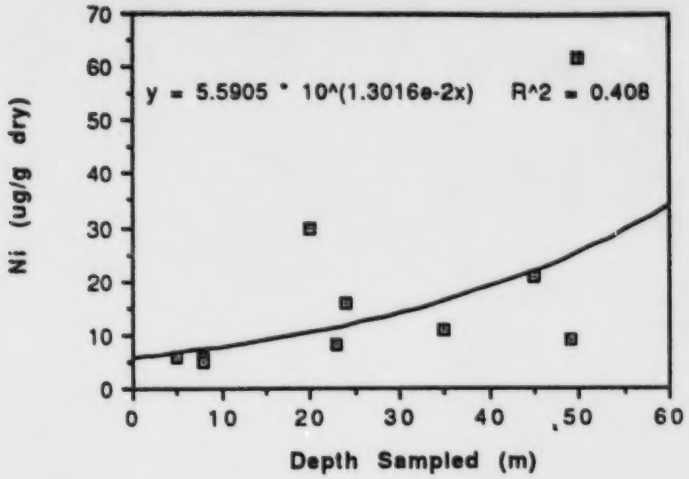

Figure 15: Ni as a function of sample depth: northern Insular Belt.

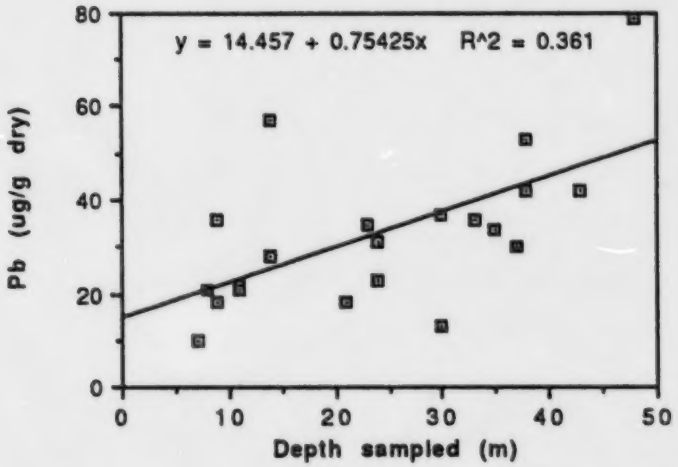

Figure 16: Pb as a function of sample depth: central Omineca Belt.

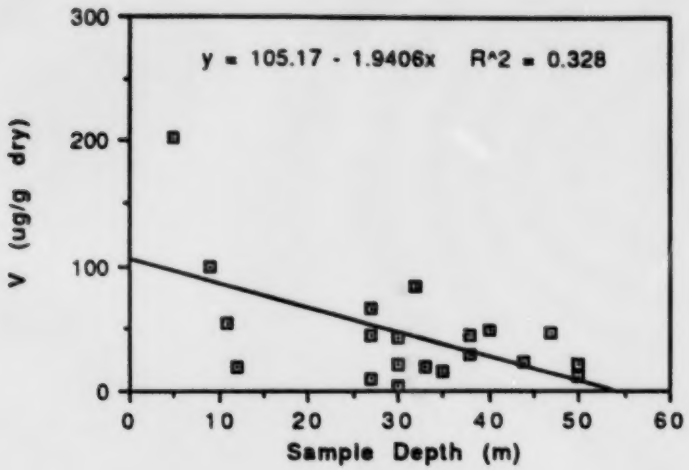

Figure 17: V as a function of sample depth: northern Omineca Belt.

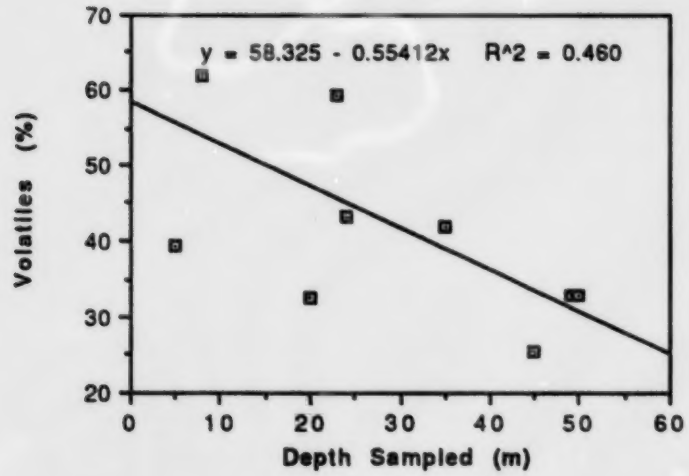

Figure 18: Volatiles as a function of sample depth: northern Insular Belt.

APPENDIX 15

Graphical Representation of Regression Analyses With Watershed Size as the Independent Variable.

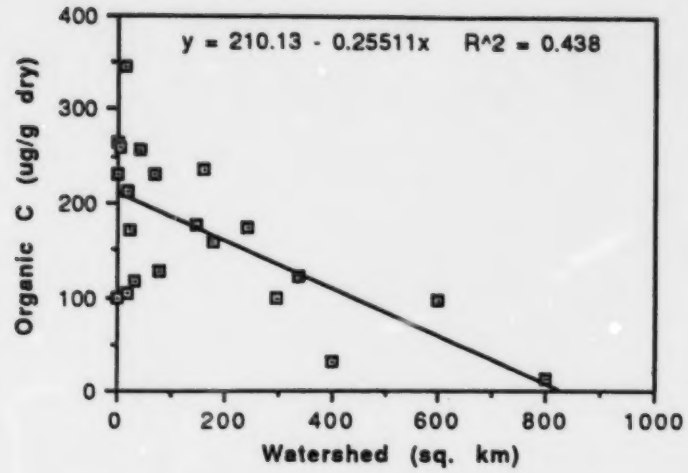

Figure 1: Organic C as a function of watershed size: Alberta Plateau.

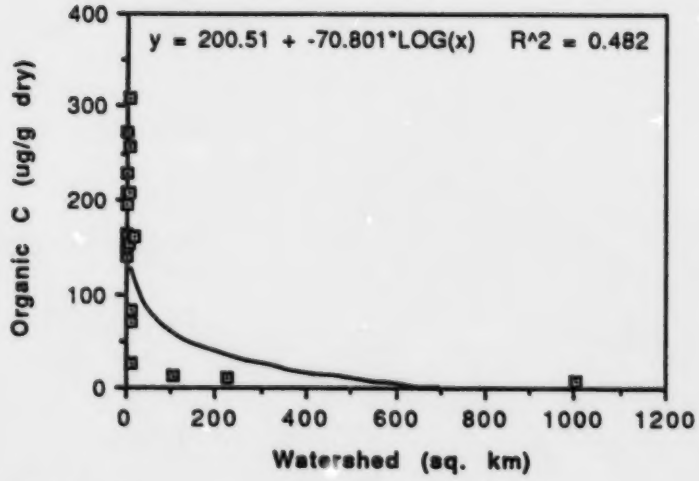

Figure 2: Organic C as a function of watershed size: southern Cascade Mountains.

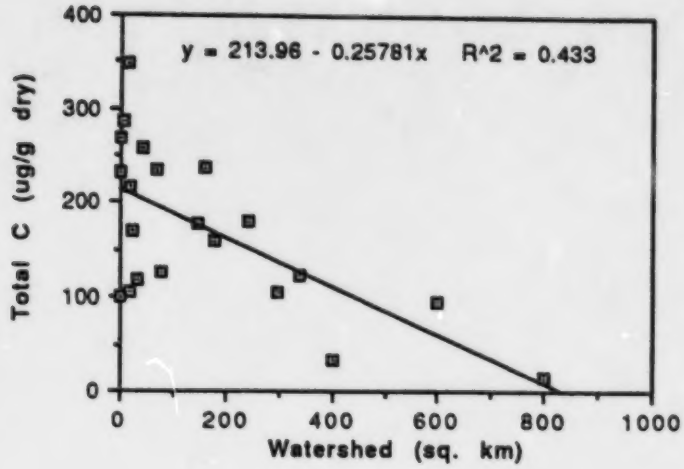

Figure 3: Total C as a function of watershed size: Alberta Plateau.

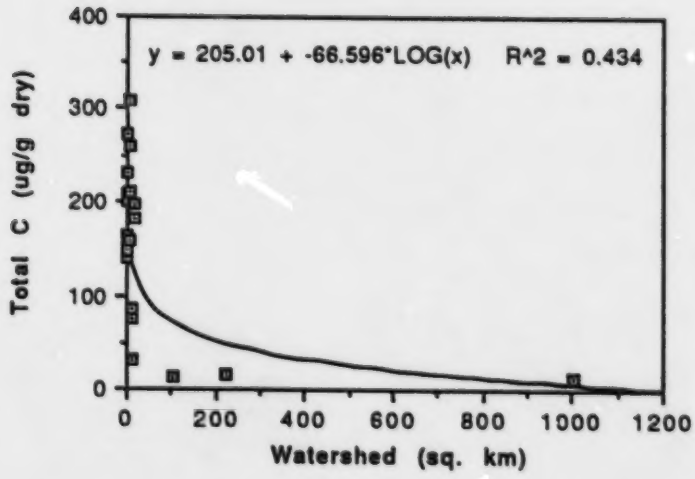

Figure 4: Total C as a function of watershed size: southern Cascade Mountains.

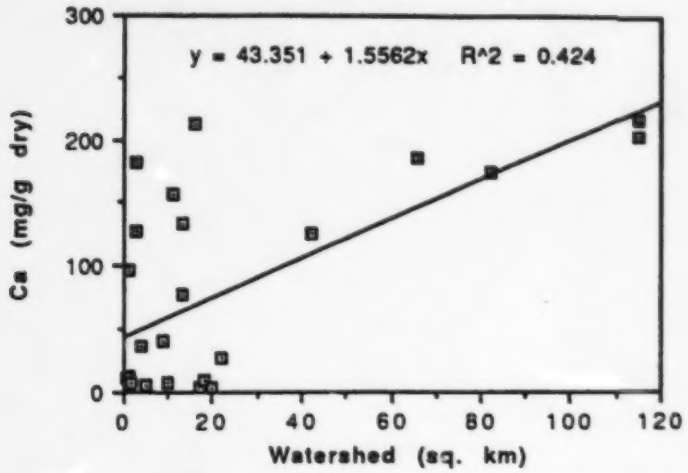

Figure 5: Ca as a function of watershed size: southern Rocky Mountains.

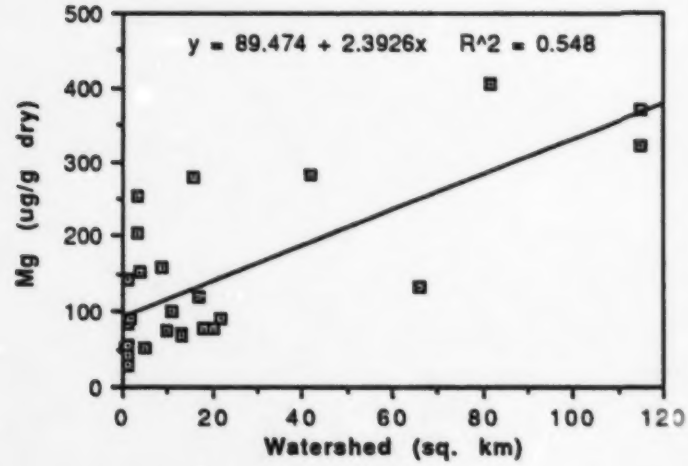

Figure 6: Mg as a function of watershed size: southern Rocky Mountains.

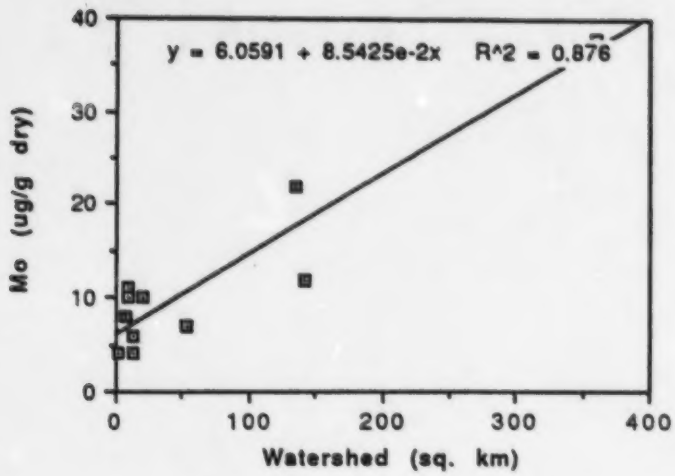

Figure 7: Mo as a function of watershed size: northern Cascade Mountains.

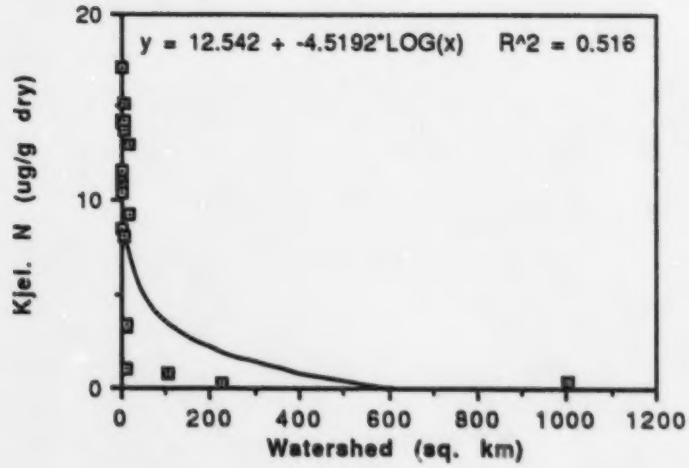

Figure 8: Kjeldahl N as a function of watershed size: southern Cascade Mountains.

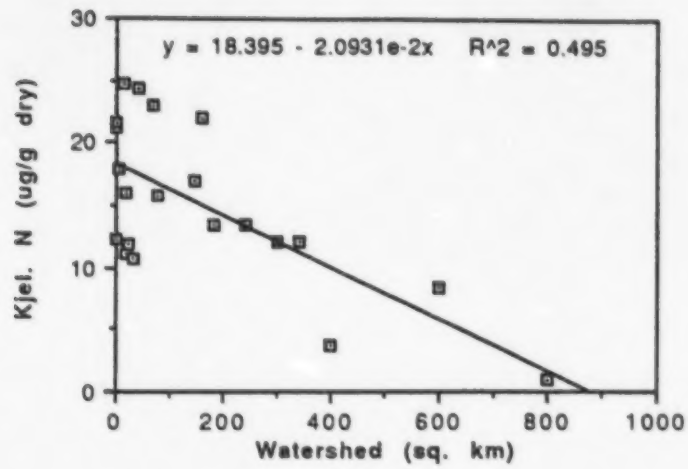

Figure 9: Kjeldahl N as a function of watershed size: Alberta Plateau.

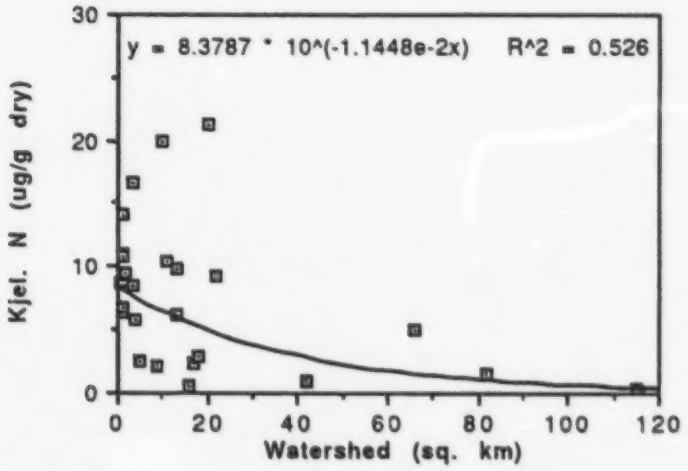

Figure 10: Kjeldahl N as a function of watershed size: southern Rocky Mountains.

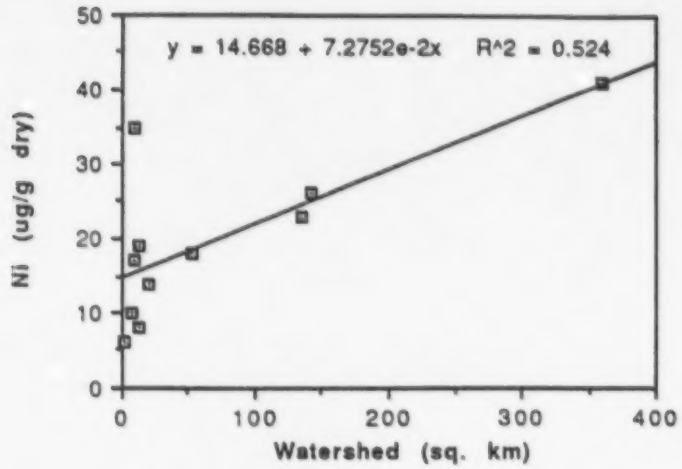

Figure 11: Ni as a function of watershed size: northern Cascade Mountains.

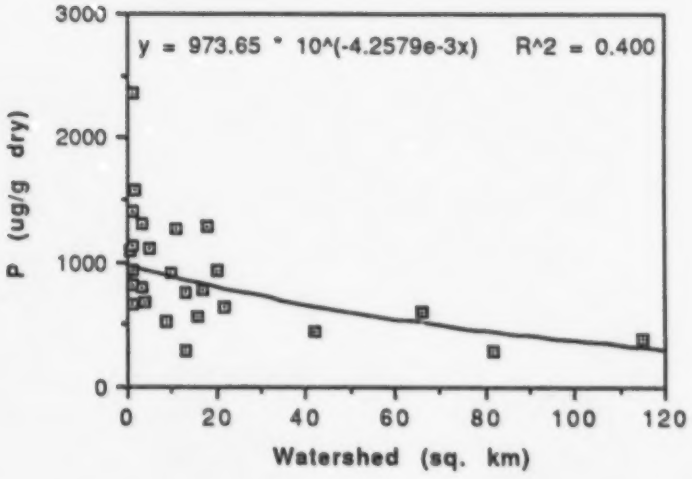

Figure 12: P as a function of watershed size: southern Rocky Mountains.

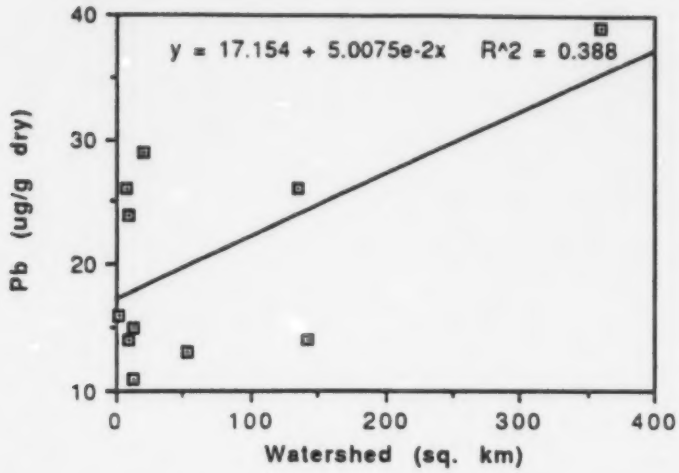

Figure 13: Pb as a function of watershed size: northern Cascade Mountains.

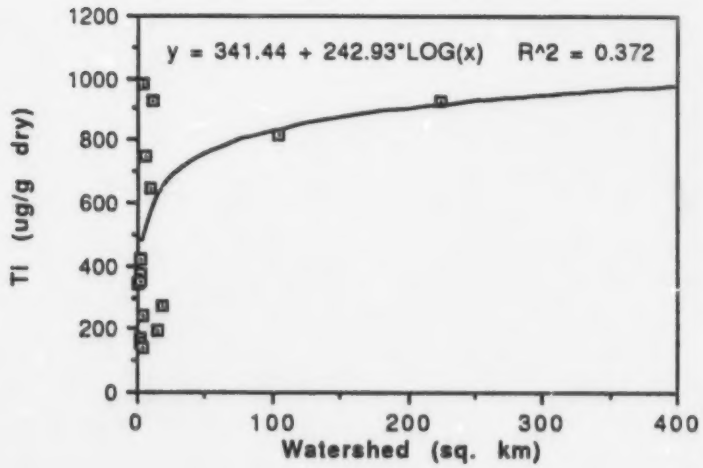

Figure 14: Tl as a function of watershed size: Cascade Mountains.

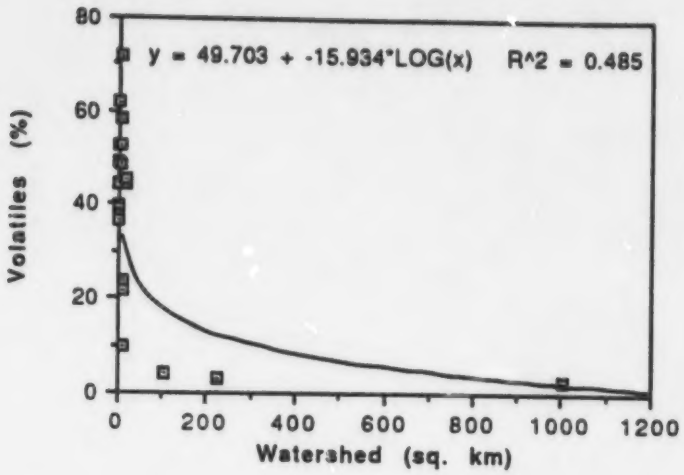

Figure 15: Volatiles as a function of watershed size: southern Cascade Mountains.

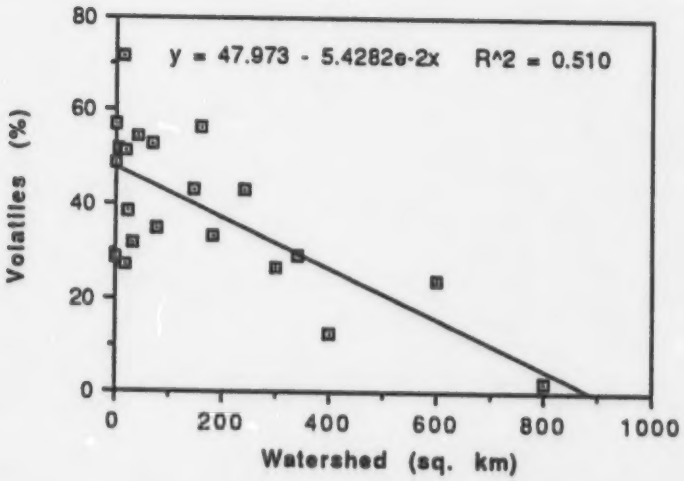

Figure 16: Volatiles as a function of watershed size: Alberta Plateau.

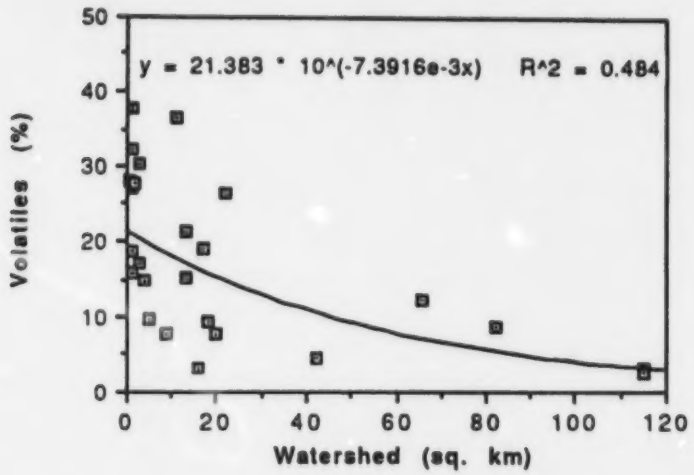

Figure 17: Volatiles as a function of watershed size: southern Rocky Mountains.

APPENDIX 16

Graphical Representation of Regression Analyses
With Watershed Runoff as the Independent Variable.

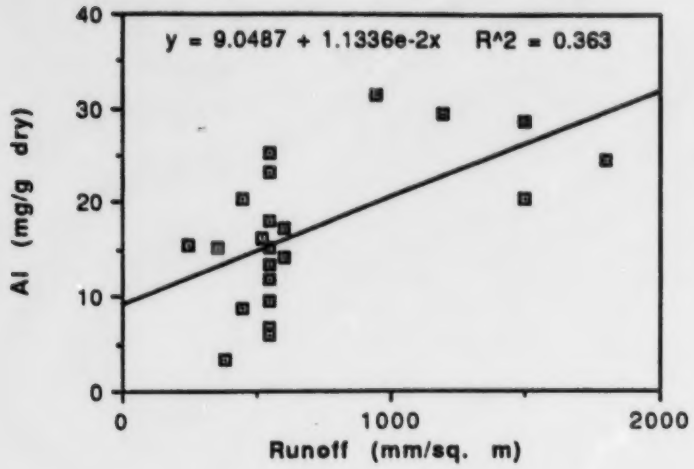

Figure 1: Al as a function of runoff: central Omineca Belt.

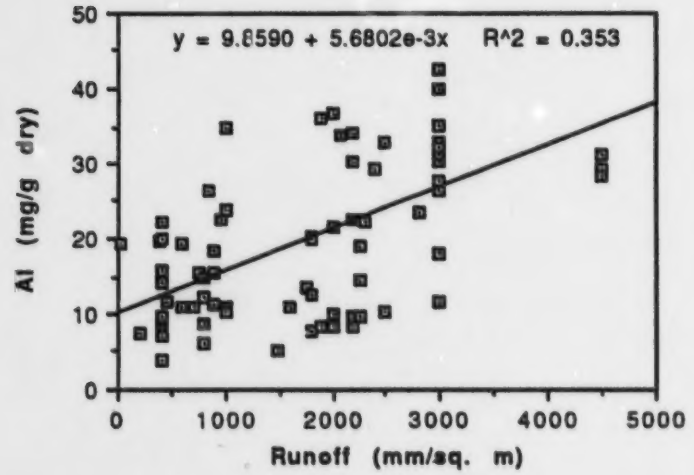

Figure 2: Al as a function of runoff: southern Insular Belt.

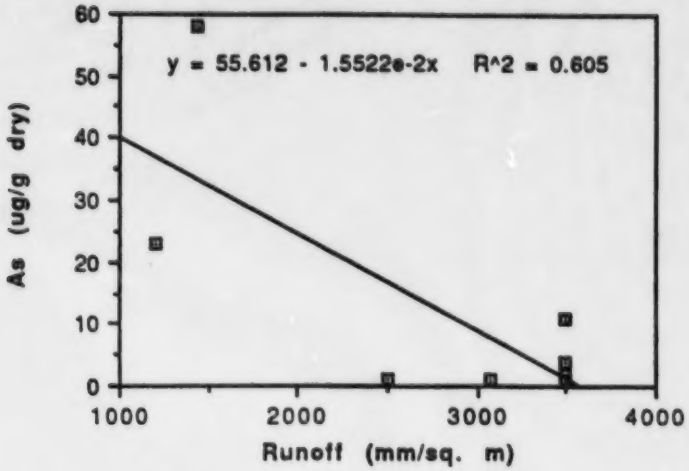

Figure 3: As as a function of runoff: northern Cascade Mountains.

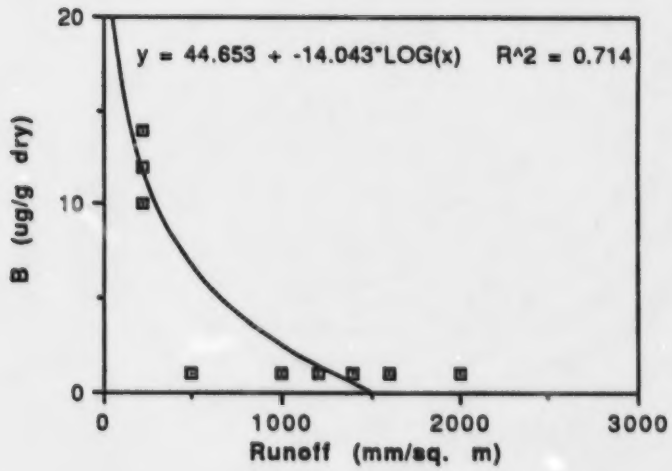

Figure 4: B as a function of runoff: southern Rocky Mountains.

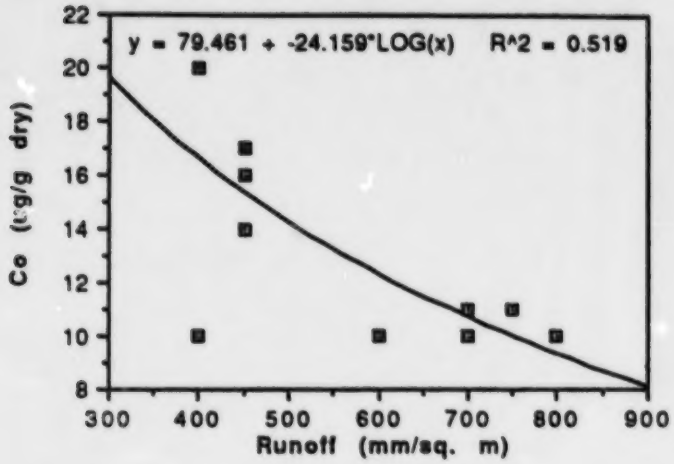

Figure 5: Co as a function of runoff: northern Rocky Mountains.

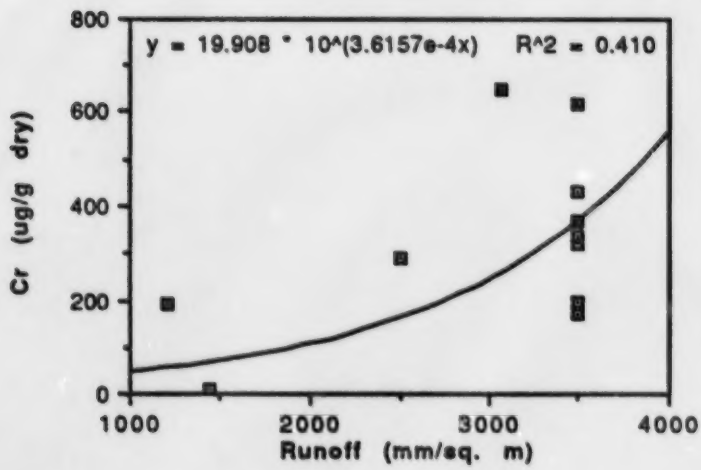

Figure 6: Cr as a function of runoff: northern Cascade Mountains.

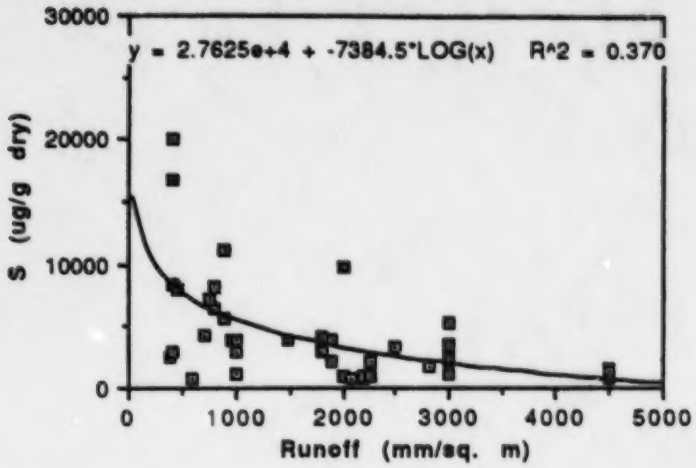

Figure 7: S as a function of runoff: southern Insular Belt.

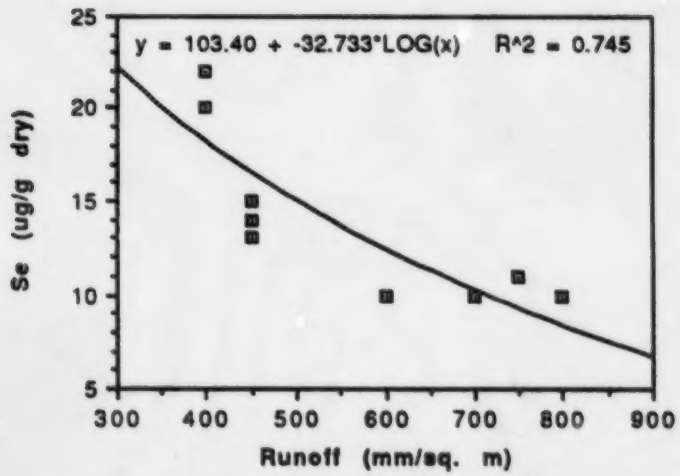

Figure 8: Se as a function of runoff: northern Rocky Mountains.

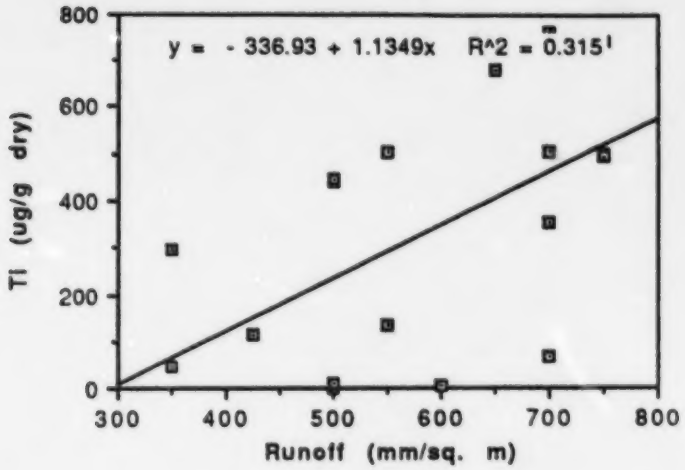

Figure 9: Ti as a function of runoff: northern Omineca Belt.

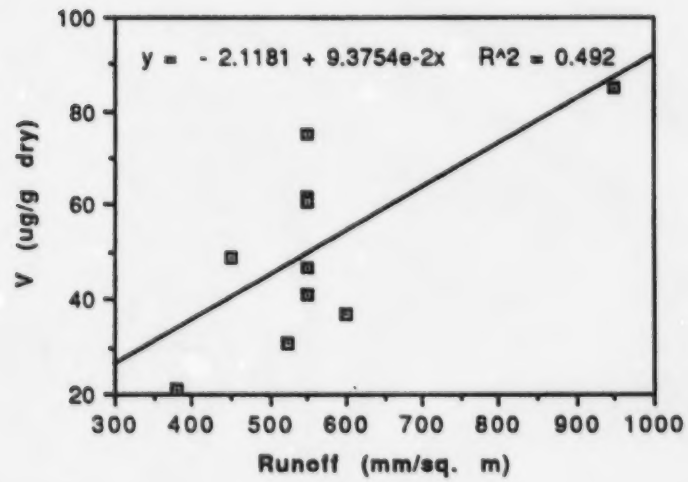

Figure 10: V as a function of runoff: central Omineca Belt.

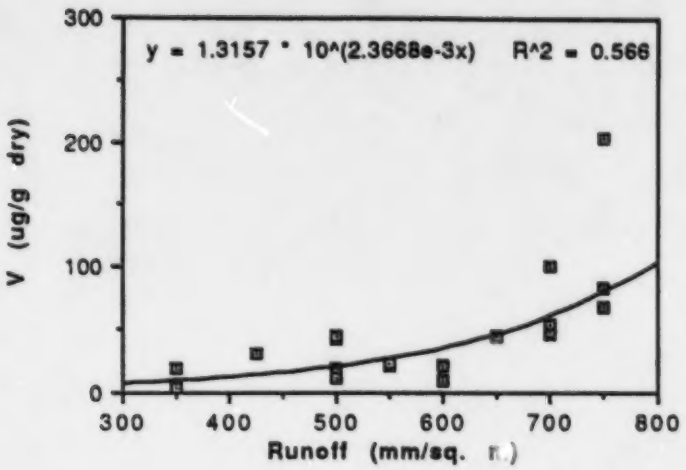

Figure 11: V as a function of runoff: northern Omineca Belt.

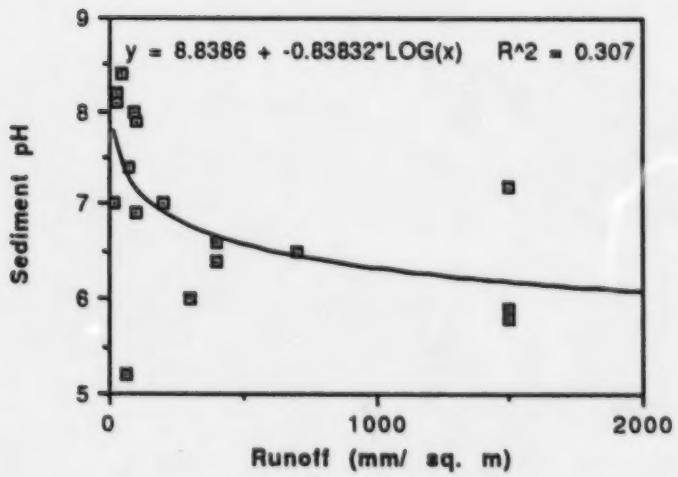

Figure 12: Sediment pH as a function of runoff: Interior Plateau.

APPENDIX 17

Graphical Representation of Regression Analyses
With Lake Altitude as the Independent Variable.

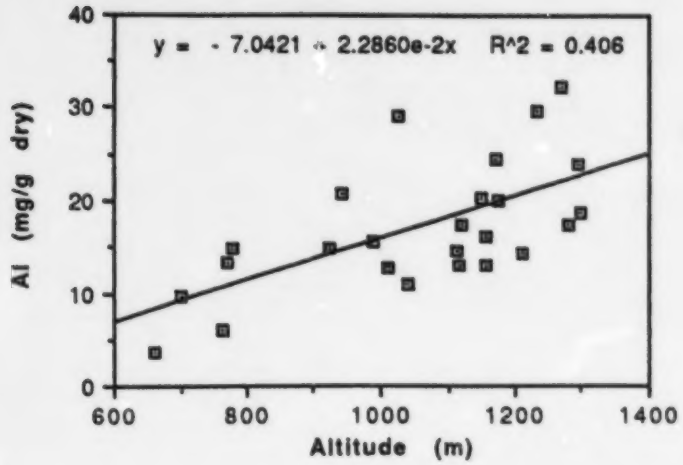

Figure 1: Al as a function of altitude: northern Omineca Belt.

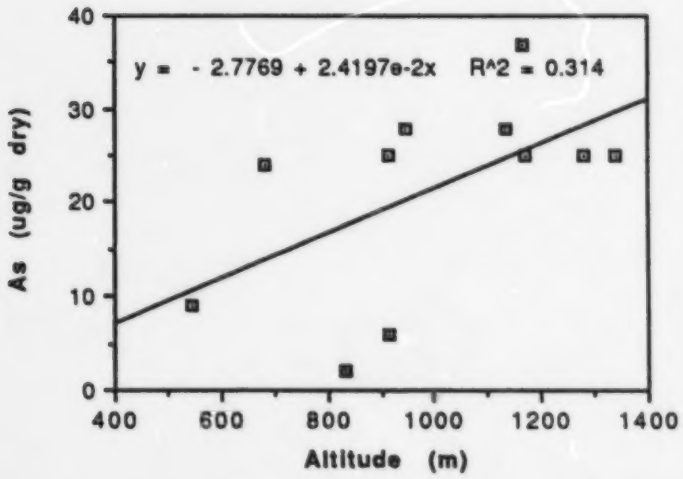

Figure 2: As as a function of altitude: northern Rocky Mountains.

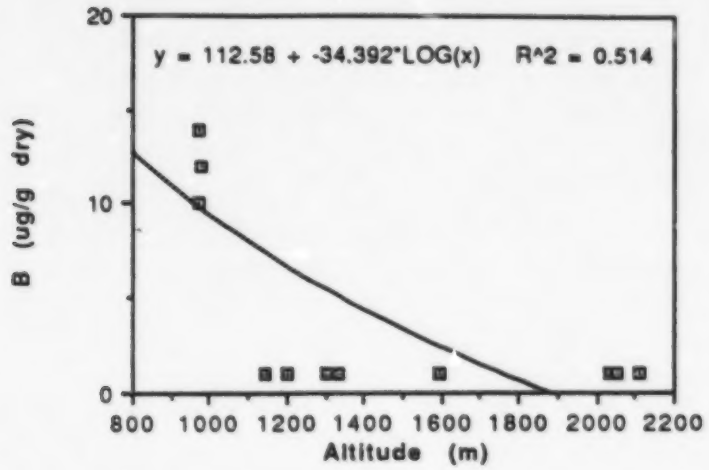

Figure 3: B as a function of altitude: southern Rocky Mountains.

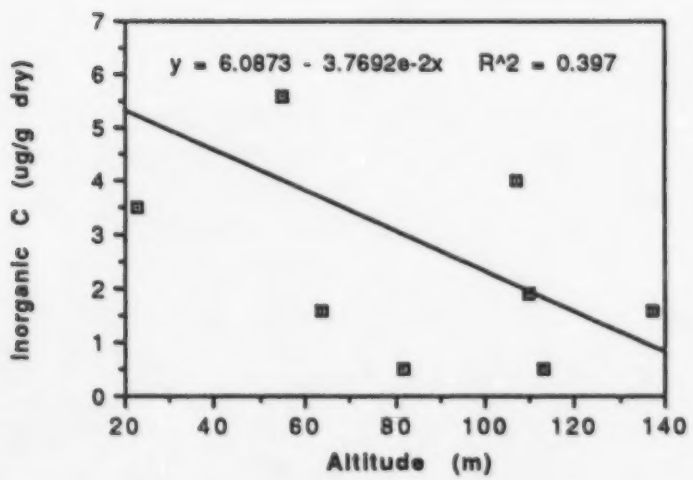

Figure 4: Inorganic C as a function of altitude: northern Insular Belt.

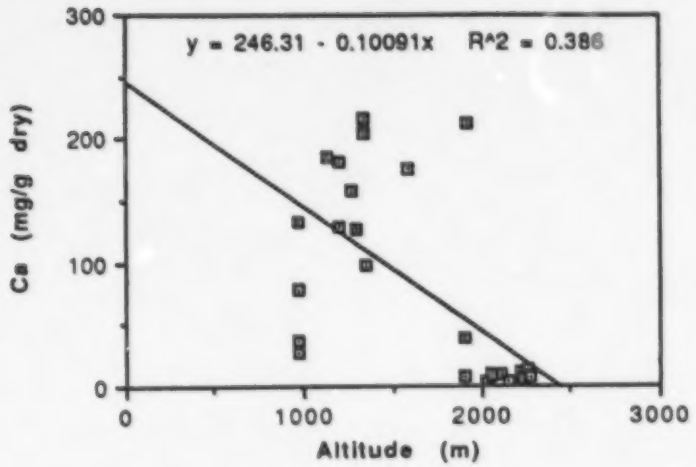

Figure 5: Ca as a function of altitude: southern Rocky Mountains.

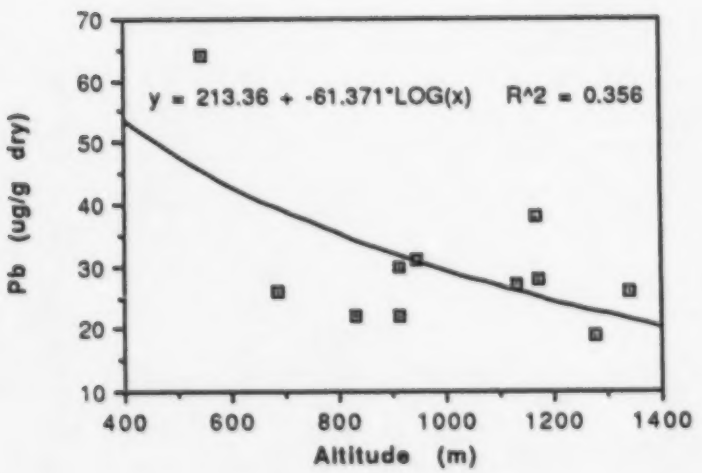

Figure 6: Pb as a function of altitude: northern Rocky Mountains.

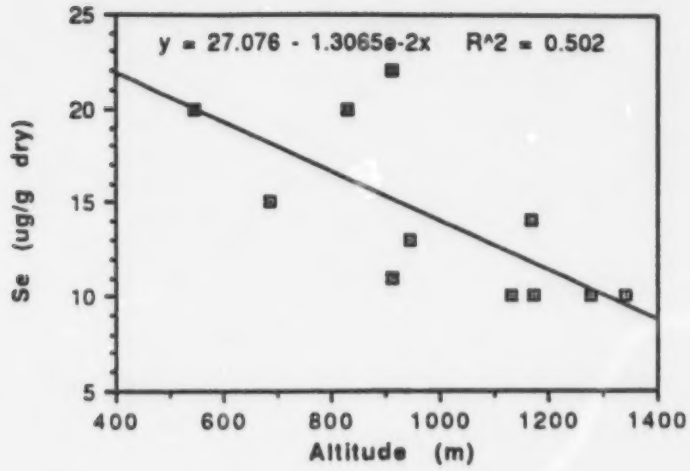

Figure 7: Se as a fuction of altitude: northern Rocky Mountains.

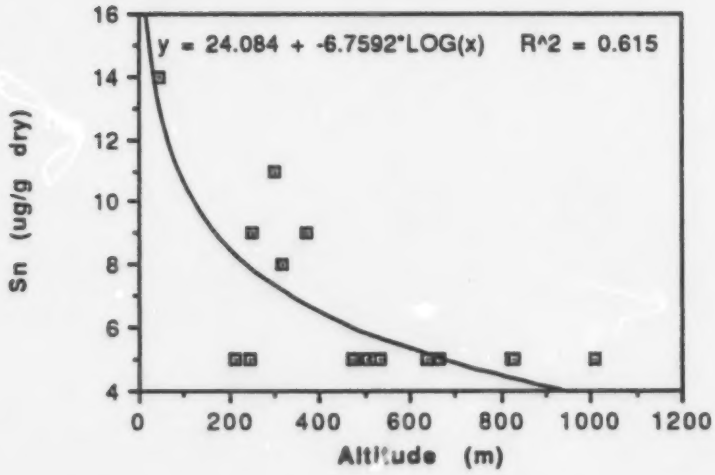

Figure 8: Sn as a function of altitude: southern Cascade Mountains.

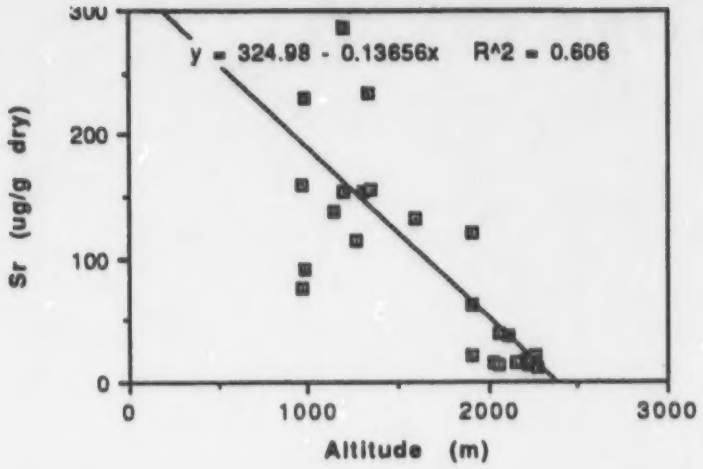

Figure 9: Sr as a function of altitude: southern Rocky Mountains.

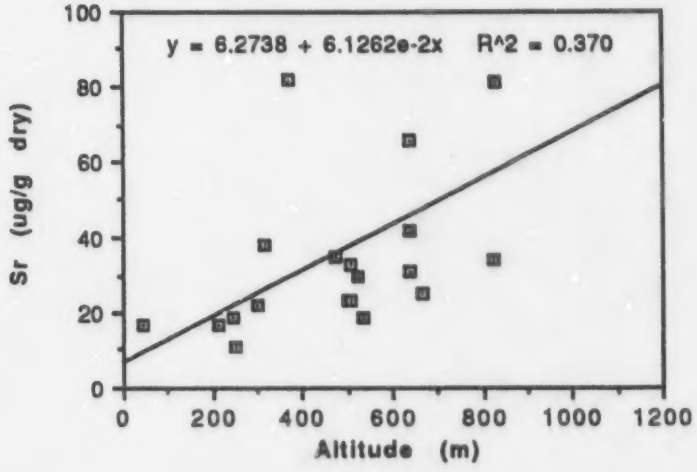

Figure 10: Sr as a function of altitude: southern Cascade Mountains.

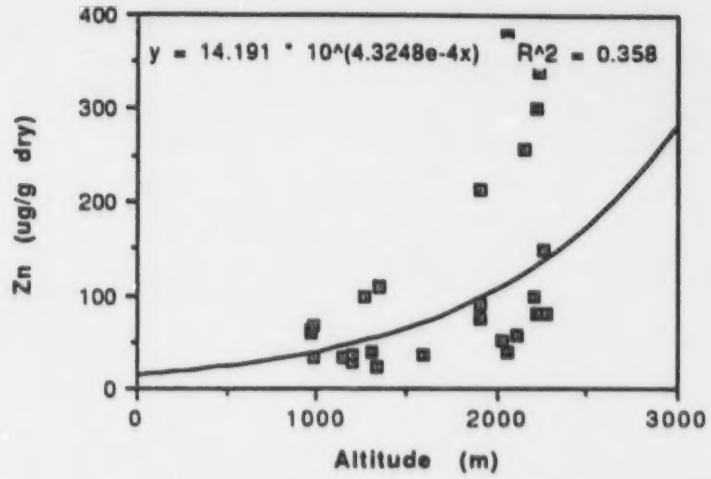

Figure 11: Zn as a function of altitude: southern Rocky Mountains.

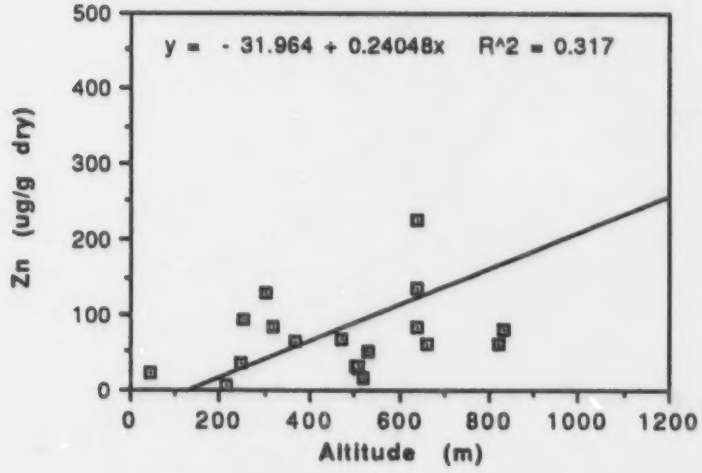

Figure 12: Zn as a function of altitude: southern Cascade Mountains.